

UF	Município	Emissora	Canal TV Cultura
DF	Brasília	Televisão Central	38.1
DF	Brazlândia	Televisão Central	38.1
DF	Ceilândia	Televisão Central	38.1
DF	Samambaia	Televisão Central	38.1
DF	Sobradinho	Televisão Central	38.1
DF	Taguatinga	Televisão Central	38.1
ES	Cariacica	TVE Espírito Santo	2.1
ES	Fundão	TVE Espírito Santo	2.1
ES	Guarapari	TVE Espírito Santo	2.1
ES	Serra	TVE Espírito Santo	2.1
ES	Viana	TVE Espírito Santo	2.1
ES	Vila Velha	TVE Espírito Santo	2.1
ES	Vitória	TVE Espírito Santo	2.1
MG	Poços de Caldas	TV Poços	21.1
PE	Abreu e Lima	TV Nova Nordeste	22.1
PE	Araçoiaba	TV Nova Nordeste	22.1
PE	Arcoverde	TV Nova Nordeste	22.1
PE	Bezerros	TV Nova Nordeste	31.1
PE	Cabo de Santo Agostinho	TV Nova Nordeste	22.1
PE	Camaragibe	TV Nova Nordeste	22.1
PE	Camocim de São Félix	TV Nova Nordeste	31.1
PE	Caruaru	TV Nova Nordeste	31.1
PE	Chã Grande	TV Nova Nordeste	25.1
PE	Cumaru	TV Nova Nordeste	31.1
PE	Garanhuns	TV Nova Nordeste	25.1
PE	Goiana	TV Nova Nordeste	22.1
PE	Igarassú	TV Nova Nordeste	22.1
PE	Ilha de Itamaracá	TV Nova Nordeste	22.1
PE	Itapissuma	TV Nova Nordeste	22.1
PE	Jaboatão dos Guararapes	TV Nova Nordeste	22.1
PE	Moreno	TV Nova Nordeste	22.1
PE	Olinda	TV Nova Nordeste	22.1
PE	Paulista	TV Nova Nordeste	22.1
PE	Recife	TV Nova Nordeste	22.1
PE	Riacho das Almas	TV Nova Nordeste	31.1
PE	São Caetano	TV Nova Nordeste	31.1
PE	São Lourenço da Mata	TV Nova Nordeste	22.1
PE	Surubim	TV Nova Nordeste	31.1
PE	Vitória de Santo Antão	TV Nova Nordeste	22.1
SP	Adamantina	TV Cultura	4.1
SP	Aguai	TV Cultura	10.1
SP	Águas da Prata	TV Cultura	39.1
SP	Águas de Lindóia	TV Cultura	10.1
SP	Águas de Santa Bárbara	TV Cultura	3.1
SP	Agudos	TV Cultura	5
SP	Agudos	TV Unesp	46.1
SP	Altinópolis	TV Cultura	4.1
SP	Alto Alegre	TV Cultura	11
SP	Alumínio	TV Cultura	41.1

SP	Álvares Florence	TV Cultura	33
SP	Álvares Machado	TV Cultura	22.1
SP	Álvaro de Carvalho	TV Cultura	13
SP	Américo Brasiliense	TV Cultura	4.1
SP	Américo Brasiliense	TV Cultura Paulista	7.1
SP	Amparo	TV Cultura	10.1
SP	Analândia	TV Cultura Paulista	7.1
SP	Andradina	TV Cultura	5.1
SP	Angatuba	TV Cultura	19.1
SP	Anhembi	TV Cultura	19.1
SP	Anhumas	TV Cultura	22.1
SP	Aparecida	TV Cultura	27.1
SP	Aparecida d'Oeste	TV Cultura	2
SP	Apiaí	TV Cultura	3.1
SP	Araçatuba	TV Cultura	4.1
SP	Araçoiaba da Serra	TV Cultura	14.1
SP	Aramina	TV Cultura	4.1
SP	Araraquara	TV Cultura	11.1
SP	Araraquara	TV Cultura Paulista	7.1
SP	Araras	TV Cultura	19.1
SP	Arealva	TV Cultura	5.1
SP	Areias	TV Cultura	27.1
SP	Areiópolis	TV Cultura	4.1
SP	Artur Nogueira	TV Cultura	10.1
SP	Arujá	TV Cultura	2.1
SP	Assis	TV Cultura	13.1
SP	Atibaia	TV Cultura	2.1
SP	Avanhandava	TV Cultura	13.1
SP	Avaré	TV Cultura	3.1
SP	Bady Bassitt	TV Cultura	4.1
SP	Bálsamo	TV Cultura	4.1
SP	Bananal	TV Cultura	27.1
SP	Barão de Antonina	TV Cultura	3.1
SP	Bariri	TV Cultura	41.1
SP	Barra Bonita	TV Cultura	19.1
SP	Barra do Turvo	TV Cultura	3.1
SP	Barretos	TV Cultura	12.1
SP	Barrinha	TV Cultura	4.1
SP	Barueri	TV Cultura	2.1
SP	Bastos	TV Cultura	4.1
SP	Batatais	TV Cultura	4.1
SP	Bauru	TV Cultura	5.1
SP	Bauru	TV Unesp	46.1
SP	Bebedouro	TV Cultura	12.1
SP	Bertioga	TV Cultura Litoral	48.1
SP	Bilac	TV Cultura	4.1
SP	Birigui	TV Cultura	4.1
SP	Biritiba-Mirim	TV Cultura	2.1
SP	Boa Esperança do Sul	TV Cultura Paulista	7.1
SP	Bocaina	TV Cultura	11.1

SP	Boituva	TV Cultura	14.1
SP	Boracéia	TV Cultura	14.1
SP	Borborema	TV Cultura	4.1
SP	Botucatu	TV Cultura	19.1
SP	Bragança Paulista	TV Cultura	2.1
SP	Brodowski	TV Cultura	4.1
SP	Brotas	TV Cultura	19.1
SP	Brotas	TV Cultura Paulista	7.1
SP	Buritama	TV Cultura	4.1
SP	Buritzal	TV Cultura	4.1
SP	Cabrália Paulista	TV Cultura	5.1
SP	Caçapava	TV Cultura	27.1
SP	Cachoeira Paulista	TV Cultura	38.1
SP	Caconde	TV Cultura	4.1
SP	Cafelândia	TV Cultura	13.1
SP	Caiabu	TV Cultura	22.1
SP	Caieiras	TV Cultura	2.1
SP	Cajamar	TV Cultura	2.1
SP	Cajati	TV Cultura	3.1
SP	Cajuru	TV Cultura	4.1
SP	Campinas	TV Cultura	10.1
SP	Campo Limpo Paulista	TV Cultura	2.1
SP	Campos do Jordão	TV Cultura	8.1
SP	Campos Novos Paulista	TV Cultura	13.1
SP	Cananéia	TV Cultura	3.1
SP	Cândido Mota	TV Cultura	13.1
SP	Cândido Rodrigues	TV Cultura	4.1
SP	Capão Bonito	TV Cultura	3.1
SP	Capivari	TV Cultura	10.1
SP	Caraguatatuba	TV Cultura	3.1
SP	Caraguatatuba	TV Cultura Litoral	48.1
SP	Carapicuíba	TV Cultura	2.1
SP	Cardoso	TV Cultura	4.1
SP	Casa Branca	TV Cultura	4.1
SP	Cássia dos Coqueiros	TV Cultura	4.1
SP	Catanduva	TV Cultura	4.1
SP	Cedral	TV Cultura	4.1
SP	Cerqueira César	TV Cultura	3.1
SP	Clementina	TV Cultura	4.1
SP	Colina	TV Cultura	12.1
SP	Coroados	TV Cultura	4.1
SP	Cotia	TV Cultura	2.1
SP	Cravinhos	TV Cultura	4.1
SP	Cubatão	TV Cultura	3.1
SP	Cubatão	TV Cultura Litoral	48.1
SP	Descalvado	TV Cultura	4.1
SP	Diadema	TV Cultura	2.1
SP	Dobrada	TV Cultura Paulista	7.1
SP	Dois Córregos	TV Cultura	19.1
SP	Dolcinópolis	TV Cultura	4.1

SP	Dourado	TV Cultura Paulista	7.1
SP	Dracena	TV Cultura	22.1
SP	Duartina	TV Cultura	13.1
SP	Dumont	TV Cultura	4.1
SP	Echaporã	TV Cultura	13.1
SP	Eldorado	TV Cultura	3.1
SP	Embu das Artes	TV Cultura	2.1
SP	Embu-Guaçu	TV Cultura	2.1
SP	Espírito Santo do Pinhal	TV Cultura	10.1
SP	Estrela d'Oeste	TV Cultura	4.1
SP	Fartura	TV Cultura	3.1
SP	Fernandópolis	TV Cultura	4.1
SP	Ferraz de Vasconcelos	TV Cultura	2.1
SP	Franca	TV Cultura	4.1
SP	Francisco Morato	TV Cultura	2.1
SP	Franco da Rocha	TV Cultura	2.1
SP	Gália	TV Cultura	13.1
SP	Garça	TV Cultura	13.1
SP	Gavião Peixoto	TV Cultura Paulista	7.1
SP	General Salgado	TV Cultura	4.1
SP	Getulina	TV Cultura	13.1
SP	Glicério	TV Cultura	4.1
SP	Guaíçara	TV Cultura	13.1
SP	Guaimbê	TV Cultura	13.1
SP	Guaíra	TV Cultura	4.1
SP	Guapiaçu	TV Cultura	4.1
SP	Guapiara	TV Cultura	3.1
SP	Guará	TV Cultura	4.1
SP	Guarantã	TV Cultura	13.1
SP	Guararema	TV Cultura	55.1
SP	Guaratinguetá	TV Cultura	38.1
SP	Guariba	TV Cultura	4.1
SP	Guarujá	TV Cultura	3.1
SP	Guarujá	TV Cultura Litoral	48.1
SP	Guarulhos	TV Cultura	2.1
SP	Herculândia	TV Cultura	4.1
SP	Hortolândia	TV Cultura	10.1
SP	Iacanga	TV Cultura	5.1
SP	Iacri	TV Cultura	4.1
SP	Ibaté	TV Cultura	4.1
SP	Ibaté	TV Cultura Paulista	7.1
SP	Ibirá	TV Cultura	4.1
SP	Ibitinga	TV Cultura	4.1
SP	Icém	TV Cultura	4.1
SP	Iepê	TV Cultura	22.1
SP	Igaraçu do Tietê	TV Cultura	19.1
SP	Igarapava	TV Cultura	4.1
SP	Iguape	TV Cultura	3.1
SP	Ilha Comprida	TV Cultura	3.1
SP	Ilha Solteira	TV Cultura	5.1

SP	Ilhabela	TV Cultura	5.1
SP	Ilhabela	TV Cultura Litoral	48.1
SP	Indiana	TV Cultura	22.1
SP	Iperó	TV Cultura	14.1
SP	Iporanga	TV Cultura	3.1
SP	Itaberá	TV Cultura	3.1
SP	Itaí	TV Cultura	4.1
SP	Itajobi	TV Cultura	4.1
SP	Itanhaém	TV Cultura	44.1
SP	Itapecerica da Serra	TV Cultura	2.1
SP	Itapetininga	TV Cultura	20.1
SP	Itapeva	TV Cultura	3.1
SP	Itapevi	TV Cultura	2.1
SP	Itapira	TV Cultura	10.1
SP	Itápolis	TV Cultura	4.1
SP	Itaporanga	TV Cultura	3.1
SP	Itapuí	TV Cultura	41.1
SP	Itaquaquetuba	TV Cultura	2.1
SP	Itararé	TV Cultura	3.1
SP	Itariri	TV Cultura	3.1
SP	Itatiba	TV Cultura	2.1
SP	Itatinga	TV Cultura	4.1
SP	Itirapuã	TV Cultura	4.1
SP	Itobi	TV Cultura	4.1
SP	Itu	TV Cultura	41.1
SP	Ituverava	TV Cultura	4.1
SP	Jaborandi	TV Cultura	12.1
SP	Jaboticabal	TV Cultura	4.1
SP	Jacareí	TV Cultura	27.1
SP	Jaci	TV Cultura	4
SP	Jacupiranga	TV Cultura	3.1
SP	Jales	TV Cultura	4.1
SP	Jandira	TV Cultura	2.1
SP	Jardinópolis	TV Cultura	4.1
SP	Jaú	TV Cultura	41.1
SP	Joanópolis	TV Cultura	2.1
SP	José Bonifácio	TV Cultura	4.1
SP	Júlio Mesquita	TV Cultura	13.1
SP	Jundiaí	TV Cultura	2.1
SP	Junqueirópolis	TV Cultura	22.1
SP	Juquiá	TV Cultura	3.1
SP	Juquitiba	TV Cultura	3.1
SP	Lagoinha	TV Cultura	27.1
SP	Laranjal Paulista	TV Cultura	20.1
SP	Lavínia	TV Cultura	5.1
SP	Leme	TV Cultura	34.1
SP	Lençóis Paulista	TV Cultura	19.1
SP	Lindóia	TV Cultura	4.1
SP	Lins	TV Cultura	13.1
SP	Lorena	TV Cultura	27.1

SP	Lucélia	TV Cultura	4.1
SP	Luís Antônio	TV Cultura	4.1
SP	Lupércio	TV Cultura	13.1
SP	Lutécia	TV Cultura	13.1
SP	Macedônia	TV Cultura	4.1
SP	Magda	TV Cultura	4.1
SP	Mairiporã	TV Cultura	2.1
SP	Marília	TV Cultura	13.1
SP	Marinópolis	TV Cultura	4.1
SP	Martinópolis	TV Cultura	22.1
SP	Matão	TV Cultura	11.1
SP	Matão	TV Cultura Paulista	7.1
SP	Mauá	TV Cultura	2.1
SP	Meridiano	TV Cultura	4.1
SP	Mineiros do Tietê	TV Cultura	41.1
SP	Miracatu	TV Cultura	3.1
SP	Mirandópolis	TV Cultura	5.1
SP	Mirassol	TV Cultura	4.1
SP	Mirassolândia	TV Cultura	4.1
SP	Mococa	TV Cultura	4.1
SP	Mogi das Cruzes	TV Cultura	2.1
SP	Mogi Guaçu	TV Cultura	2.1
SP	Mongaguá	TV Cultura	44.1
SP	Mongaguá	TV Cultura Litoral	48.1
SP	Monte Alegre do Sul	TV Cultura	10.1
SP	Monte Alto	TV Cultura	4.1
SP	Monte Aprazível	TV Cultura	4.1
SP	Monte Azul Paulista	TV Cultura	12.1
SP	Monteiro Lobato	TV Cultura	27.1
SP	Morungaba	TV Cultura	10.1
SP	Motuca	TV Cultura Paulista	7.1
SP	Nhandeara	TV Cultura	4.1
SP	Nova Europa	TV Cultura	4.1
SP	Nova Europa	TV Cultura Paulista	7.1
SP	Nova Granada	TV Cultura	4.1
SP	Novo Horizonte	TV Cultura	4.1
SP	Nuporanga	TV Cultura	4.1
SP	Ocaçu	TV Cultura	13.1
SP	Olímpia	TV Cultura	4.1
SP	Oriente	TV Cultura	13.1
SP	Orindiúva	TV Cultura	4.1
SP	Orlândia	TV Cultura	4.1
SP	Osasco	TV Cultura	2.1
SP	Oscar Bressane	TV Cultura	13
SP	Osvaldo Cruz	TV Cultura	4.1
SP	Ourinhos	TV Cultura	13.1
SP	Pacaembu	TV Cultura	22.1
SP	Palestina	TV Cultura	4.1
SP	Palmeira d'Oeste	TV Cultura	4.1
SP	Palmital	TV Cultura	13.1

SP	Paraguaçu Paulista	TV Cultura	13.1
SP	Paraibuna	TV Cultura	27.1
SP	Paranapanema	TV Cultura	4.1
SP	Paranapuã	TV Cultura	2.1
SP	Parapuã	TV Cultura	4.1
SP	Pardinho	TV Cultura	19.1
SP	Pariquera-Açu	TV Cultura	3.1
SP	Patrocínio Paulista	TV Cultura	4.1
SP	Paulínia	TV Cultura	10.1
SP	Paulo de Faria	TV Cultura	4.1
SP	Pederneiras	TV Cultura	41.1
SP	Pedranópolis	TV Cultura	4.1
SP	Pedreira	TV Cultura	2.1
SP	Pedro de Toledo	TV Cultura	3.1
SP	Penápolis	TV Cultura	4.1
SP	Pereira Barreto	TV Cultura	4.1
SP	Pereiras	TV Cultura	20.1
SP	Peruíbe	TV Cultura	44.1
SP	Piedade	TV Cultura	41.1
SP	Pilar do Sul	TV Cultura	20.1
SP	Pindamonhangaba	TV Cultura	38.1
SP	Pindorama	TV Cultura	4.1
SP	Piquete	TV Cultura	38.1
SP	Piracaia	TV Cultura	2.1
SP	Piracicaba	TV Cultura	19.1
SP	Piraju	TV Cultura	13.1
SP	Pirajuí	TV Cultura	13.1
SP	Pirapora do Bom Jesus	TV Cultura	2.1
SP	Pirassununga	TV Cultura	4.1
SP	Piratininga	TV Cultura	5.1
SP	Piratininga	TV Unesp	46.1
SP	Pitangueiras	TV Cultura	4.1
SP	Poá	TV Cultura	2.1
SP	Pompéia	TV Cultura	13.1
SP	Pongaí	TV Cultura	4.1
SP	Pontal	TV Cultura	4.1
SP	Pontes Gestal	TV Cultura	4.1
SP	Populina	TV Cultura	4.1
SP	Porangaba	TV Cultura	20.1
SP	Porto Feliz	TV Cultura	14.1
SP	Porto Ferreira	TV Cultura	4.1
SP	Potim	TV Cultura	38.1
SP	Potirendaba	TV Cultura	4.1
SP	Pradópolis	TV Cultura	4.1
SP	Praia Grande	TV Cultura	3.1
SP	Praia Grande	TV Cultura Litoral	48.1
SP	Presidente Epitácio	TV Cultura	21.1
SP	Presidente Prudente	TV Cultura	22.1
SP	Presidente Venceslau	TV Cultura	22.1
SP	Promissão	TV Cultura	13.1

SP	Quatá	TV Cultura	4.1
SP	Queluz	TV Cultura	27.1
SP	Quintana	TV Cultura	13.1
SP	Rancharia	TV Cultura	22.1
SP	Regente Feijó	TV Cultura	22.1
SP	Reginópolis	TV Cultura	5.1
SP	Registro	TV Cultura	3.1
SP	Restinga	TV Cultura	4.1
SP	Ribeira	TV Cultura	3.1
SP	Ribeirão Bonito	TV Cultura	11.1
SP	Ribeirão Bonito	TV Cultura Paulista	7.1
SP	Ribeirão Branco	TV Cultura	3.1
SP	Ribeirão Pires	TV Cultura	2.1
SP	Ribeirão Preto	TV Cultura	4.1
SP	Rincão	TV Cultura	4.1
SP	Rincão	TV Cultura Paulista	7.1
SP	Rinópolis	TV Cultura	39.1
SP	Rio Claro	TV Cultura	35.1
SP	Rio Grande da Serra	TV Cultura	2.1
SP	Riolândia	TV Cultura	4.1
SP	Riversul	TV Cultura	3.1
SP	Rosana	TV Cultura	22.1
SP	Roseira	TV Cultura	38.1
SP	Rubinéia	TV Cultura	4.1
SP	Salesópolis	TV Cultura	2.1
SP	Salto	TV Cultura	39.1
SP	Salto de Pirapora	TV Cultura	14.1
SP	Sandovalina	TV Cultura	14.1
SP	Santa Adélia	TV Cultura	4.1
SP	Santa Bárbara d'Oeste	TV Cultura	10.1
SP	Santa Clara d'Oeste	TV Cultura	4.1
SP	Santa Cruz das Palmeiras	TV Cultura	4.1
SP	Santa Cruz do Rio Pardo	TV Cultura	13.1
SP	Santa Ernestina	TV Cultura	4.1
SP	Santa Ernestina	TV Cultura Paulista	7.1
SP	Santa Fé do Sul	TV Cultura	4.1
SP	Santa Gertrudes	TV Cultura	35.1
SP	Santa Isabel	TV Cultura	2.1
SP	Santa Lúcia	TV Cultura	4.1
SP	Santa Lúcia	TV Cultura Paulista	31
SP	Santa Maria da Serra	TV Cultura	19.1
SP	Santa Mercedes	TV Cultura	22.1
SP	Santa Rita do Passa Quatro	TV Cultura	4.1
SP	Santa Rita d'Oeste	TV Cultura	4.1
SP	Santa Rosa de Viterbo	TV Cultura	4.1
SP	Santana da Ponte Pensa	TV Cultura	4.1
SP	Santana de Parnaíba	TV Cultura	2.1
SP	Santo André	TV Cultura	2.1
SP	Santo Antônio de Posse	TV Cultura	10.1
SP	Santo Antônio do Jardim	TV Cultura	10.1



SP	Santópolis do Aguapeí	TV Cultura	4.1
SP	Santos	TV Cultura	3.1
SP	Santos	TV Cultura Litoral	48.1
SP	São Bento do Sapucaí	TV Cultura	27.1
SP	São Bernardo do Campo	TV Cultura	2.1
SP	São Caetano do Sul	TV Cultura	2.1
SP	São Carlos	TV Cultura Paulista	11.1
SP	São Francisco	TV Cultura	4.1
SP	São Francisco Xavier (Distrito São José dos Campos)	TV Cultura	8.1
SP	São João da Boa Vista	TV Cultura	10.1
SP	São Joaquim da Barra	TV Cultura	4.1
SP	São José da Bela Vista	TV Cultura	4.1
SP	São José do Barreiro	TV Cultura	27.1
SP	São José do Rio Pardo	TV Cultura	4.1
SP	São José do Rio Preto	TV Cultura	4.1
SP	São José dos Campos	TV Cultura	27.1
SP	São Lourenço da Serra	TV Cultura	2.1
SP	São Luís do Paraitinga	TV Cultura	27.1
SP	São Manuel	TV Cultura	19.1
SP	São Miguel Arcanjo	TV Cultura	20.1
SP	São Paulo	TV Cultura	2.1
SP	São Pedro	TV Cultura	19.1
SP	São Roque	TV Cultura	41.1
SP	São Sebastião	TV Cultura	3.1
SP	São Sebastião	TV Cultura Litoral	48.1
SP	São Sebastião da Gramma	TV Cultura	4.1
SP	São Vicente	TV Cultura	3.1
SP	São Vicente	TV Cultura Litoral	48.1
SP	Serra Negra	TV Cultura	10.1
SP	Sertãozinho	TV Cultura	4.1
SP	Sete Barras	TV Cultura	3.1
SP	Silveiras	TV Cultura	27.1
SP	Socorro	TV Cultura	10.1
SP	Sorocaba	TV Cultura	41.1
SP	Suzano	TV Cultura	2.1
SP	Tabapuã	TV Cultura	4.1
SP	Taboão da Serra	TV Cultura	2.1
SP	Taguaí	TV Cultura	3.1
SP	Tambaú	TV Cultura	4.1
SP	Tanabi	TV Cultura	4.1
SP	Tapiraí	TV Cultura	20.1
SP	Tapiratiba	TV Cultura	4.1
SP	Taquaritinga	TV Cultura	4.1
SP	Taquarituba	TV Cultura	3.1
SP	Taubaté	TV Cultura	8.1
SP	Teodoro Sampaio	TV Cultura	22.1
SP	Terra Roxa	TV Cultura	4.1
SP	Trabiju	TV Cultura Paulista	7.1
SP	Tremembé	TV Cultura	8.1
SP	Três Fronteiras	TV Cultura	4.1

SP	Tupã	TV Cultura	4.1
SP	Turmalina	TV Cultura	4.1
SP	Ubatuba	TV Cultura	3.1
SP	Uchoa	TV Cultura	4.1
SP	Urânia	TV Cultura	4.1
SP	Uru	TV Cultura	4.1
SP	Valentim Gentil	TV Cultura	4.1
SP	Valparaíso	TV Cultura	4.1
SP	Vargem Grande do Sul	TV Cultura	10.1
SP	Vargem Grande Paulista	TV Cultura	2.1
SP	Várzea Paulista	TV Cultura	2.1
SP	Vera Cruz	TV Cultura	13.1
SP	Viradouro	TV Cultura	4.1
SP	Votorantim	TV Cultura	41.1
SP	Votuporanga	TV Cultura	4.1

Canal TV Univesp	Canal TV Educação	geocode
38.2	38.3	um
38.2	38.3	-15.523619, -48.197823
38.2	38.3	-15.810353, -48.200057
38.2	38.3	-15.882483, -48.162570
38.2	38.3	-15.582783, -47.844263
38.2	38.3	-15.795405, -48.056202
2.2		-20.264411, -40.422019
2.2		-19.937570, -40.407143
2.2		-20.675079, -40.512778
2.2		-20.124879, -40.313665
2.2		-20.365227, -40.427573
2.2		-20.335766, -40.284790
2.2		-20.318592, -40.352639
21.2	21.3	-21.781887, -46.559659
22.3	22.2	-7.901273, -34.895927
22.3	22.2	-7.789346, -35.092509
22.3	22.2	-8.417707, -37.058461
31.3	31.2	-8.241527, -35.757169
22.3	22.2	-8.277759, -35.034306
22.3	22.2	-8.024400, -34.981486
31.3	31.2	-8.345752, -35.773550
31.3	31.2	-8.275840, -35.981759
25.3	25.2	-8.239348, -35.461330
31.3	31.2	-8.008808, -35.696070
25.3	25.2	-8.881586, -36.487379
22.3	22.2	-7.563062, -35.013122
22.3	22.2	-7.828894, -34.905907
22.3	22.2	-7.748445, -34.831257
22.3	22.2	-7.775409, -34.903588
22.3	22.2	-8.172002, -35.001242
22.3	22.2	-8.109547, -35.086216
22.3	22.2	-7.993905, -34.863057
22.3	22.2	-7.936002, -34.876144
22.3	22.2	-8.048149, -34.888543
31.3	31.2	-8.135902, -35.854617
31.3	31.2	-8.330490, -36.126230
22.3	22.2	-8.007339, -35.023100
31.3	31.2	-7.854388, -35.762858
22.3	22.2	-8.127731, -35.300794
4.2	4.3	-21.682749, -51.069888
10.2	10.3	-22.058057, -46.974321
39.2	39.3	-21.947439, -46.726564
10.2	10.3	-22.474513, -46.634362
3.2	3.3	-22.880714, -49.242806
5.2	5.3	-22.468670, -48.988114
5.2	5.3	-22.468670, -48.988114
4.2	4.3	-21.021618, -47.378836
4.2	4.3	-21.581727, -50.165161
41.2	41.3	-23.531454, -47.255880

4.2	4.3	-20.320633, -49.914546
22.2	22.3	-22.075728, -51.471176
13.2	13.3	-22.084349, -49.717901
4.2	4.3	-21.730735, -48.114621
7.2	7.3	-21.730735, -48.114621
10.2	10.3	-22.708393, -46.774390
7.2	7.3	-22.129181, -47.662812
5.2	5.3	-20.898084, -51.381776
19.2	19.3	-23.494746, -48.411989
19.2	19.3	-22.790354, -48.128271
22.2	22.3	-22.295973, -51.386629
38.2	38.3	-22.848636, -45.239070
4.2	4.3	-20.448301, -50.884642
3.2	3.3	-24.511507, -48.845753
4.2	4.3	-21.209829, -50.451236
14.2	14.3	-23.504067, -47.616896
4.2	4.3	-20.088160, -47.788174
11.2	11.3	-21.783529, -48.158924
7.2	7.3	-21.783529, -48.158924
19.2	19.3	-22.361679, -47.380700
5.2	5.3	-22.031878, -48.914604
27.2	27.3	-22.578911, -44.698809
4.2	4.3	-22.667896, -48.668541
10.2	10.3	-22.574521, -47.174462
2.2	2.3	-23.398044, -46.322298
13.2	13.3	-22.660828, -50.420404
2.2	2.3	-23.118084, -46.557792
13.2	13.3	-21.459189, -49.953548
3.2	3.3	-23.108008, -48.926504
4.2	4.3	-20.920309, -49.447752
4.2	4.3	-20.734293, -49.583530
27.2	27.3	-22.682188, -44.327159
3.2	3.3	-23.630664, -49.566076
41.2	41.3	-22.073877, -48.744148
19.2	19.3	-22.491638, -48.558422
3.2	3.3	-24.760448, -48.501082
12.2	12.3	-20.554347, -48.571151
4.2	4.3	-21.197253, -48.161853
2.2	2.3	-23.511377, -46.869991
4.2	4.3	-21.922578, -50.737495
4.2	4.3	-20.893430, -47.590128
5.2	5.3	-22.316102, -49.059393
5.2	5.3	-22.316102, -49.059393
12.2	12.3	-20.950309, -48.480749
48.2	48.3	-23.830103, -46.130152
4.2	4.3	-21.405288, -50.474531
4.2	4.3	-21.289786, -50.342603
2.2	2.3	-23.568060, -46.038084
7.2	7.3	-21.997759, -48.390334
11.2	11.3	-22.137898, -48.526752

14.2	14.3	-23.285182, -47.678889
14.2	14.3	-22.192534, -48.781533
4.2	4.3	-21.622041, -49.075550
19.2	19.3	-22.885326, -48.467362
2.2	2.3	-22.948975, -46.542862
4.2	4.3	-20.985166, -47.651605
19.2	19.3	-22.279915, -48.124825
7.2	7.3	-22.279915, -48.124825
4.2	4.3	-21.065465, -50.145315
4.2	4.3	-20.190485, -47.711218
5.2	5.3	-22.458867, -49.338835
27.2	27.3	-23.100811, -45.707717
38.2	38.3	-22.663650, -45.013883
4.2	4.3	-21.528803, -46.643780
13.2	13.3	-21.803655, -49.610561
22.2	22.3	-22.012410, -51.236367
2.2	2.3	-23.360629, -46.740464
2.2	2.3	-23.355362, -46.879347
3.2	3.3	-24.729708, -48.109457
4.2	4.3	-21.274769, -47.303832
10.2	10.3	-22.909989, -47.067340
2.2	2.3	-23.206090, -46.797684
8.2	8.3	-22.746202, -45.593769
13.2	13.3	-22.602227, -49.999959
3.2	3.3	-25.012657, -47.935435
13.2	13.3	-22.747763, -50.387704
4.2	4.3	-21.327886, -48.633432
3.2	3.3	-24.001668, -48.351200
10.2	10.3	-22.995234, -47.506695
3.2	3.3	-23.626551, -45.430343
48.2	48.3	-23.626551, -45.430343
2.2	2.3	-23.524160, -46.841253
4.2	4.3	-20.080090, -49.919516
4.2	4.3	-21.771531, -47.088318
4.2	4.3	-21.282197, -47.168724
4.2	4.3	-21.132065, -48.979738
4.2	4.3	-20.901602, -49.267272
3.2	3.3	-23.038368, -49.165453
4.2	4.3	-21.558797, -50.448517
12.2	12.3	-20.712421, -48.539070
4.2	4.3	-21.354321, -50.287399
2.2	2.3	-23.601803, -46.927019
4.2	4.3	-21.340493, -47.734573
3.2	3.3	-23.892787, -46.426133
48.2	48.3	-23.892787, -46.426133
4.2	4.3	-21.915300, -47.619892
2.2	2.3	-23.681618, -46.617617
7.2	7.3	-21.518609, -48.396693
19.2	19.3	-22.368065, -48.382725
4.2	4.3	-20.124929, -50.514509

7.2	7.3	-22.104956, -48.318322
22.2	22.3	-21.484839, -51.534397
13.2	13.3	-22.413808, -49.411733
4.2	4.3	-21.238979, -47.975021
13.2	13.3	-22.433511, -50.213340
3.2	3.3	-24.525748, -48.107854
2.2	2.3	-23.653337, -46.851980
2.2	2.3	-23.830797, -46.816143
10.2	10.3	-22.190552, -46.749569
4.2	4.3	-20.286874, -50.401630
4.2	4.3	-23.390061, -49.513170
4.2	4.3	-20.281318, -50.246916
2.2	2.3	-23.539881, -46.371618
4.2	4.3	-20.538143, -47.407689
2.2	2.3	-23.275842, -46.741744
2.2	2.3	-23.323697, -46.729853
13.2	13.3	-22.292556, -49.552195
13.2	13.3	-22.213157, -49.654827
7.2	7.3	-21.835721, -48.493276
4.2	4.3	-20.644982, -50.362289
13.2	13.3	-21.797989, -49.928878
4.2	4.3	-21.383657, -50.212394
13.2	13.3	-21.623108, -49.797682
13.2	13.3	-21.910943, -49.898514
4.2	4.3	-20.320123, -48.312034
4.2	4.3	-20.795801, -49.217842
3.2	3.3	-24.189909, -48.531420
4.2	4.3	-20.431009, -47.827327
13.2	13.3	-21.893918, -49.591537
55.2	55.3	-23.412871, -46.034631
38.2	38.3	-22.807828, -45.193009
4.2	4.3	-21.360484, -48.232083
3.2	3.3	-23.995819, -46.259763
48.2	48.3	-23.995819, -46.259763
2.2	2.3	-23.453169, -46.534425
4.2	4.3	-22.002909, -50.393283
10.2	10.3	-22.853061, -47.211103
5.2	5.3	-21.890732, -49.031563
4.2	4.3	-21.857957, -50.693920
4.2	4.3	-21.952581, -48.003094
7.2	7.3	-21.952581, -48.003094
4.2	4.3	-21.083591, -49.245348
4.2	4.3	-21.756885, -48.832241
4.2	4.3	-20.341247, -49.193518
22.2	22.3	-22.660714, -51.078596
19.2	19.3	-22.509045, -48.560013
4.2	4.3	-20.041341, -47.747622
3.2	3.3	-24.709227, -47.558738
3.2	3.3	-24.841612, -47.688298
3.2	3.3	-20.430154, -51.346380

5.2	5.3	-23.779204, -45.352295
48.2	48.3	-23.779204, -45.352295
22.2	22.3	-22.173695, -51.255063
14.2	14.3	-23.352053, -47.692809
3.2	3.3	-24.583639, -48.596138
3.2	3.3	-23.864529, -49.140265
3.2	3.3	-23.421294, -49.092662
4.2	4.3	-21.310584, -49.066045
44.2	44.3	-24.181304, -46.786514
2.2	2.3	-23.715665, -46.856459
20.2	20.3	-23.588668, -48.048311
3.2	3.3	-23.979513, -48.876624
2.2	2.3	-23.548180, -46.934129
10.2	10.3	-22.436427, -46.822356
4.2	4.3	-21.595838, -48.812321
3.2	3.3	-23.704654, -49.483460
41.2	41.3	-22.233208, -48.720215
2.2	2.3	-23.485784, -46.349339
3.2	3.3	-24.108463, -49.338062
3.2	3.3	-24.286673, -47.178786
2.2	2.3	-23.004394, -46.846259
47.2	47.3	-23.106790, -48.611393
4.2	4.3	-20.642242, -47.220446
4.2	4.3	-21.731487, -46.974763
41.2	41.3	-23.263182, -47.298970
4.2	4.3	-20.337351, -47.790414
12.2	12.3	-20.689302, -48.411877
4.2	4.3	-21.252599, -48.327711
27.2	27.3	-23.299488, -45.966486
4.2	4.3	-20.882092, -49.572560
3.2	3.3	-24.707852, -48.005892
4.2	4.3	-20.269152, -50.547916
2.2	2.3	-23.528933, -46.903286
4.2	4.3	-21.028317, -47.764964
41.2	41.3	-22.302649, -48.573905
2.2	2.3	-22.928657, -46.275871
4.2	4.3	-21.053728, -49.687630
13.2	13.3	-22.012396, -49.788561
2.2	2.3	-23.185438, -46.899491
22.2	22.3	-21.510993, -51.434595
3.2	3.3	-24.319293, -47.634879
3.2	3.3	-23.927853, -47.067949
27.2	27.3	-23.084956, -45.194272
20.2	20.3	-23.050878, -47.837520
5.2	5.3	-21.165802, -51.043019
34.2	34.3	-22.182205, -47.385131
19.2	19.3	-22.603320, -48.799959
10.2	10.3	-22.522460, -46.650607
13.2	13.3	-21.671808, -49.743062
38.2	38.3	-22.734402, -45.123257

4.2	4.3	-21.718032, -51.023650
4.2	4.3	-21.551287, -47.700796
13.2	13.3	-22.415103, -49.818853
13.2	13.3	-22.338568, -50.393957
4.2	4.3	-20.145561, -50.198420
4.2	4.3	-20.643500, -50.223442
2.2	2.3	-23.320008, -46.590820
13.2	13.3	-22.216858, -49.946538
4.2	4.3	-20.438371, -50.826401
22.2	22.3	-22.149540, -51.171903
11.2	11.3	-21.603647, -48.362101
7.2	7.3	-21.603647, -48.362101
2.2	2.3	-23.667324, -46.462316
4.2	4.3	-20.355772, -50.175570
41.2	41.3	-22.412672, -48.451649
3.2	3.3	-24.281044, -47.453848
5.2	5.3	-23.606668, -46.643375
4.2	4.3	-20.817999, -49.520074
4.2	4.3	-20.618401, -49.462140
4.2	4.3	-21.465211, -47.014685
10.2	10.3	-23.515552, -46.193993
2.2	2.3	-22.367989, -46.944463
44.2	44.3	-24.122741, -46.687393
48.2	48.3	-24.122741, -46.687393
10.2	10.3	-22.682410, -46.681081
4.2	4.3	-21.267376, -48.500727
4.2	4.3	-20.770084, -49.708574
12.2	12.3	-20.903985, -48.634456
27.2	27.3	-22.954750, -45.839137
10.2	10.3	-22.881579, -46.789103
7.2	7.3	-21.510791, -48.154189
4.2	4.3	-20.694090, -50.041658
4.2	4.3	-21.779693, -48.562218
7.2	7.3	-21.779693, -48.562218
4.2	4.3	-20.534487, -49.325754
4.2	4.3	-21.464611, -49.225812
4.2	4.3	-20.730593, -47.754554
13.2	13.3	-22.441035, -49.920896
4.2	4.3	-20.738715, -48.905573
13.2	13.3	-22.156764, -50.093458
4.2	4.3	-20.183362, -49.349062
4.2	4.3	-20.716924, -47.886104
2.2	2.3	-23.534473, -46.793450
13.2	13.3	-22.315325, -50.281043
4.2	4.3	-21.796276, -50.880629
13.2	13.3	-22.980529, -49.870157
22.2	22.3	-21.563169, -51.266403
4.2	4.3	-20.390571, -49.431560
4.2	4.3	-20.414664, -50.763819
13.2	13.3	-22.785625, -50.218662



13.2	13.3	-22.411124, -50.576901
27.2	27.3	-23.387879, -45.663973
47.2	47.3	-23.386579, -48.723632
2.2	2.3	-20.105058, -50.589616
4.2	4.3	-21.781595, -50.800765
19.2	19.3	-23.079634, -48.375332
3.2	3.3	-24.720048, -47.884955
4.2	4.3	-20.639525, -47.280342
10.2	10.3	-22.765749, -47.149478
4.2	4.3	-20.030946, -49.406161
41.2	41.3	-22.349611, -48.783396
4.2	4.3	-20.247424, -50.110608
2.2	2.3	-22.741031, -46.898056
3.2	3.3	-24.274493, -47.239750
4.2	4.3	-21.415396, -50.078688
4.2	4.3	-20.636611, -51.113449
20.2	20.3	-23.081251, -47.971574
44.2	44.3	-24.315138, -46.996633
41.2	41.3	-23.714347, -47.421631
20.2	20.3	-23.807422, -47.722993
38.2	38.3	-22.926442, -45.462411
4.2	4.3	-21.185594, -48.908724
38.2	38.3	-22.605794, -45.185953
2.2	2.3	-23.052754, -46.354911
19.2	19.3	-22.735378, -47.644835
13.2	13.3	-23.194750, -49.386598
13.2	13.3	-21.998811, -49.460576
2.2	2.3	-23.396882, -46.997915
4.2	4.3	-21.996224, -47.431306
5.2	5.3	-22.414212, -49.139299
5.2	5.3	-22.414212, -49.139299
4.2	4.3	-21.015040, -48.220863
2.2	2.3	-23.534181, -46.347239
13.2	13.3	-22.107654, -50.177078
4.2	4.3	-21.739515, -49.357869
4.2	4.3	-21.023137, -48.042490
4.2	4.3	-20.181297, -49.702178
4.1	4.3	-19.946084, -50.540528
20.2	20.3	-23.176720, -48.120094
14.2	14.3	-23.209614, -47.525058
4.2	4.3	-21.861332, -47.481605
38.2	38.3	-22.835013, -45.254961
4.2	4.3	-21.042630, -49.376499
4.2	4.3	-21.362479, -48.065767
3.2	3.3	-24.009105, -46.412459
48.2	48.3	-24.009105, -46.412459
21.2	21.3	-21.771491, -52.118391
22.2	22.3	-22.121009, -51.396017
22.2	22.3	-21.874436, -51.846723
13.2	13.3	-21.536530, -49.860388

4.2	4.3	-22.244649, -50.698024
27.2	27.3	-22.530654, -44.775263
13.2	13.3	-22.069055, -50.308347
22.2	22.3	-22.226509, -50.894086
22.2	22.3	-22.220674, -51.303129
5.2	5.3	-21.889405, -49.223836
3.2	3.3	24.499344, -47.846995
4.2	4.3	-20.606054, -47.484353
3.2	3.3	-24.657654, -49.006003
11.2	11.3	-22.070272, -48.180406
7.2	7.3	-22.070272, -48.180406
3.2	3.3	-24.221270, -48.763989
2.2	2.3	-23.706532, -46.407518
4.2	4.3	-21.175333, -47.821566
4.2	4.3	-21.589773, -48.072936
7.2	7.3	-21.589773, -48.072936
39.2	39.3	-21.728829, -50.723931
35.2	35.3	-22.412238, -47.568780
2.2	2.3	-23.744268, -46.400186
4.1	4.3	-19.982318, -49.686983
3.2	3.3	-23.829565, -49.431048
22.2	22.3	-22.578757, -53.060604
38.2	38.3	-22.894065, -45.308242
4.2	4.3	-20.176697, -51.005009
2.2	2.3	-23.534770, -45.843749
39.2	39.3	-23.199748, -47.293582
14.2	14.3	-23.648367, -47.575077
14.2	14.3	-22.455554, -51.765307
4.2	4.3	-22.455633, -51.765329
10.2	10.3	-22.754229, -47.413723
4.2	4.3	-20.092602, -50.930698
4.2	4.3	-21.824046, -47.249307
13.2	13.3	-22.899210, -49.635269
4.2	4.3	-21.462118, -48.394081
7.2	7.3	-21.462118, -48.394081
4.2	4.3	-20.211744, -50.927529
35.2	35.3	-22.457589, -47.533281
2.2	2.3	-23.318834, -46.229687
4.2	4.3	-21.687049, -48.087280
31.2	31.3	-21.687049, -48.087280
19.2	19.3	-22.566665, -48.159583
22.2	22.3	-21.346459, -51.757824
4.2	4.3	-21.712246, -47.488600
4.2	4.3	-20.142798, -50.834040
4.2	4.3	-21.474864, -47.361782
4.2	4.3	-20.253013, -50.799252
2.2	2.3	-23.441608, -46.917127
2.2	2.3	-23.675000, -46.541641
10.2	10.3	-22.604631, -46.919416
10.2	10.3	-22.114671, -46.685631

4.2	4.3	-21.637620, -50.501249
3.2	3.3	-23.955227, -46.332550
48.2	48.3	-23.955227, -46.332550
27.2	27.3	-22.687487, -45.731901
2.2	2.3	-23.695065, -46.568157
2.2	2.3	-23.622565, -46.555245
11.2	11.3	-22.012347, -47.888782
4.2	4.3	-20.362903, -50.695684
8.2	8.3	-22.912093, -45.959646
10.2	10.3	-21.971333, -46.795373
4.2	4.3	-20.582749, -47.863871
4.2	4.3	-20.591824, -47.642031
27.2	27.3	-22.642889, -44.577365
4.2	4.3	-21.595110, -46.887214
4.2	4.3	-20.811840, -49.379266
27.2	27.3	-23.219483, -45.908331
2.2	2.3	-23.846819, -46.937829
27.2	27.3	-23.221074, -45.309381
19.2	19.3	-22.732924, -48.572531
20.2	20.3	-23.881045, -47.997642
2.2	2.3	-23.511684, -46.694667
19.2	19.3	-22.548815, -47.911013
41.2	41.3	-23.523438, -47.135735
3.2	3.3	-23.807969, -45.409914
48.2	48.3	-23.807969, -45.409914
4.2	4.3	-21.709520, -46.822373
3.2	3.3	-23.960032, -46.397556
48.2	48.3	-23.960032, -46.397556
10.2	10.3	-22.614766, -46.702751
4.2	4.3	-21.137366, -47.991991
3.2	3.3	-24.383738, -47.927910
27.2	27.3	-22.664511, -44.851298
10.2	10.3	-22.593372, -46.527366
41.2	41.3	-23.502348, -47.453797
2.2	2.3	-23.546773, -46.315895
4.2	4.3	-20.960920, -49.030919
2.2	2.3	-23.622004, -46.779973
3.2	3.3	-23.453677, -49.406758
4.2	4.3	-21.703215, -47.271276
4.2	4.3	-20.625075, -49.657398
20.2	20.3	-23.961908, -47.505985
4.2	4.3	-21.471966, -46.746246
4.2	4.3	-21.403330, -48.508273
3.2	3.3	-23.528919, -49.250396
8.2	8.3	-23.021655, -45.556188
22.2	22.3	-22.532033, -52.172635
4.2	4.3	-20.786592, -48.334098
7.2	7.3	-22.039301, -48.334668
8.2	8.3	-22.958440, -45.544251
4.2	4.3	-20.236135, -50.889637

4.2	4.3	-21.933558, -50.518592
4.2	4.3	-20.050000, -50.476911
3.2	3.3	-23.436531, -45.080996
4.2	4.3	-20.952135, -49.171400
4.2	4.3	-20.245866, -50.646310
4.2	4.3	-21.787064, -49.284577
4.2	4.3	-20.422224, -50.089221
4.2	4.3	-21.229394, -50.861539
10.2	10.3	-21.832390, -46.891137
2.2	2.3	-23.602217, -47.023394
2.2	2.3	-23.213966, -46.831873
13.2	13.3	-22.219187, -49.821267
4.2	4.3	-20.873997, -48.294198
41.2	41.3	-23.540319, -47.442981
4.2	4.3	-20.418839, -49.975741