

Table 1: Concrete strength mixture components

Cement	Furnace Slag	Water	Superplasticizer	Coarse Aggregate	Fine Aggregate	Concrete Strength
540.0	0.0	162.0	2.5	1040.0	676.0	High
139.6	209.4	192.0	0.0	1047.0	806.9	Low
475.0	118.8	181.1	8.9	852.1	781.5	High
168.0	42.1	121.8	5.7	1058.7	780.1	Low

Table 2: Unknown concrete strength mixture

Cement	Furnace Slag	Water	Superplasticizer	Coarse Aggregate	Fine Aggregate
141.3	202.0	191.5	0.0	971.8	748.5

- a) Use Case Base Reasoning (CBR) to determine the concrete strength for the unknown mixture shown in Table 2 based on the cases in Table 1.