

C5, edges 1-2-3-4-5-1
 10 automorphisms forming D5

Permutations as mappings

e = 1 2 3 4 5
 A = 2 3 4 5 1
 B = 3 4 5 1 2
 C = 4 5 1 2 3
 D = 5 1 2 3 4

E = 1 5 4 3 2
 F = 5 4 3 2 1
 G = 4 3 2 1 5
 H = 3 2 1 5 4
 I = 2 1 5 4 3

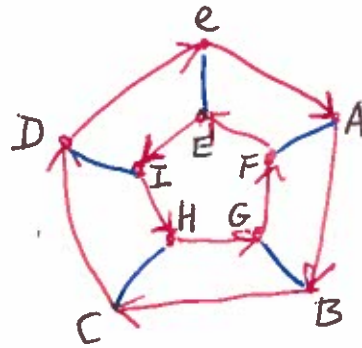
Permutations in cycle notation

e = (1) (2) (3) (4) (5)
 A = (1 2 3 4 5)
 B = (1 3 5 2 4)
 C = (1 4 2 5 3)
 D = (1 5 4 3 2)

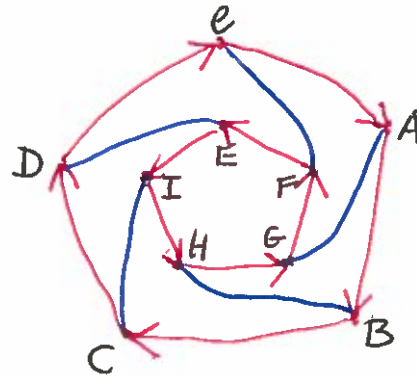
E = (1) (2 5) (3 4)
 F = (1 5) (3) (2 4)
 G = (1 4) (2 3) (5)
 H = (1 3) (2) (4 5)
 I = (1 2) (3 5) (4)

Cayley graph has 10 vertices:
 many possible sets of generators, say, AE, AF, EF

generators A E



generators A F



generators E F

