```
fa_bamc_unate_areedv_chvatal_school_5_5_iso
greedy-set-cover(S, w)
 1. Initialize C \leftarrow \emptyset. Define f(C) \doteq |\cup_{s \in C} s|.
2. Repeat until f(C) = f(S):
          Choose s \in S minimizing the price per
3.
          element w_s/[f(C \cup \{s\}) - f(C)].
         Let C \leftarrow C \cup \{s\}.
4.
5. Return C.
reference instance
school_5_5_ref
                           let C := cover
perm_ref = 1,2,3,4,5
weights
        = 1,1,1,1,1
            BCDE
         Α
                                A C
                                          Ε
c1 1 0 0 0 0 0 c2 1 1 0 0 0 0 (a) c3 0 1 1 0 0
                           c1 1 0
                                          0
                           c5
                                0 1
                                          1
    c4 0 1 1 1
    c5
         0
            0 1
                       1
               C = \{B\}
                               \underline{C} = \{B,A\}
                                                  \underline{C} = \{B,A,C\}
isomorph instance
school_5_5_iso
perm_iso = 1,4,3,5,2
                           let \underline{C} := cover
weights = 1,1,1,1,1
         1 0 0 0
     c1
                           c1 1 0
                                      0
                       0
                                          0
    c2
c2 1 0 0 0 (b) c3 0 0 1 0
                       1
                           c2
                                1
                       1
         0 1 1
     c4
                   0
                       1
            0
                1
     c5
         0
                   1
               C = \{C\}
                               C = \{C,A\}
```