```
P1 = np.array([(11, 5), (16, 5), (16, 1), (15, 0), (12, 0), (11, 1), (11, 5), (9, 5), (7, 6), (4, 9), (1, 9), (0, 10), (0, 15), (3, 18), (4, 18), (4, 16), (3, 15), (3, 12), (4, 11), (4, 9)])
P2 = np.array([(16, 1), (17, 0), (20, 0), (21, 1), (21, 5), (16, 5)])
P3 = np.array([(21, 5), (22, 5), (25, 8), (28, 8), (29, 9), (29, 12), (27, 16), (26, 17), (23, 17), (22, 16), (22, 11), (25, 8)])
P4 = np.array([(3, 18), (3, 24), (3, 25), (2, 26), (2, 28), (3, 29), (4, 29), (5, 28), (6, 28), (6, 30), (5, 31), (2, 31), (0, 29), (0, 25), (1, 24), (3, 24)])
P5 = np.array([(27, 16), (27, 18), (25, 20), (25, 25), (24, 26), (24, 27), (23, 28), (23, 34), (21, 36), (17, 36), (16, 35), (16, 31), (18, 31), (18, 33), (20, 33), (20, 30), (22, 28), (23, 28)])
P6 = np.array([(6, 30), (8, 31), (12, 32), (16, 32)])
P7 = np.array([(12, 22), (11, 21), (7, 21), (6, 22), (6, 26), (9, 29), (11, 30), (16, 30), (18, 29), (20, 27),
(20, 24), (19, 23),(15 ,23),(15 ,21),(12 ,21),(12 ,23),(15 ,23)])
P8 = np.array([(9 ,24),(10 ,24),(10 ,23),(9 ,23),(9 ,24)])
P9 = np.array([(8 ,24),(9 ,25),(10 ,25),(11 ,24),(11 ,23),(10 ,22),(9 ,22),(8 ,23),(8 ,24)])
P10 = np.array([(15 ,26),(16 ,27),(17 ,27),(18 ,26),(18 ,25),(17 ,24),(16 ,24),(15 ,25),(15 ,26)])
P11 = np.array([(16 ,26),(17 ,26),(17 ,25),(16 ,25),(16 ,26)])
P12 = np.array([(14 ,17),(15 ,17),(16 ,18),(16 ,19),(14 ,19),(14 ,17)])
P13 = np.array([(20 ,17),(20 ,18),(21 ,19),(23 ,19),(23 ,18),(22 ,18),(21 ,17),(20 ,17)])

P = {"P1" : P1,
     "P2" : P2,
     "P3" : P3,
     "P4" : P4,
     "P5" : P5,
     "P6" : P6,
     "P7" : P7,
     "P8" : P8,
     "P9" : P9,
     "P10" : P10,
     "P11" : P11,
     "P12" : P12,
     "P13" : P13}
```