```
P1 = np.array([(5, 16), (4.5, 15), (5.5, 14), (7, 13.5), (11.5, 13.5), (12.5, 14), (13, 15), (12.5, 16),
(15, 20), (15, 22.5), (14.5, 24), (13.5, 25), (12, 26), (10.5, 26.5), (7, 26.5), (5.5, 26), (4, 25), (3, 24),
(2, 22), (2, 20), (5, 16)])
P2 = np.array([(7.5, 21.5), (8.5, 21.5), (9, 19), (8, 17), (7, 17), (6.5, 19), (7, 21), (8, 22), (8.5, 23),
(8.5, 24)])
P3 = np.array([(7, 21), (7.5, 22), (7, 23.5)])
P4 = np.array([(8.5, 21.5), (9, 22), (9.5, 23.5)])
P5 = np.array([(7, 19), (7.5, 19.5), (8, 19), (8, 18), (7.5, 17.5), (7, 18), (7, 19)])
P6 = np.array([(11, 17.5), (11.5, 17), (12, 18), (11.5, 19), (11, 18.5), (11, 17), (12, 17), (12.5, 18.5),
(12.5, 20.5), (13, 21.5), (13, 22.5)])
P7 = np.array([(12.5, 20.5), (12, 21), (12, 23.5)])
P8 = np.array([(12, 21), (11.5, 21), (11.5, 22), (11, 23)])
P9 = np.array([(11, 17.5), (10.5, 19), (11.5, 21)])
P10 = np.array([(8, 26.5), (8.5, 28.5), (8, 31)])
P11 = np.array([(9.5, 26.5), (10.5, 29), (10, 31)])
P12 = np.array([(10.5, 26.5), (11.5, 27), (13, 30)])
P13 = np.array([(10, 15.5), (11.5, 15.5), (11, 16), (10, 16), (9.5, 15.5), (10, 15), (10.5, 15), (11,
15.5)])
P14 = np.array([(10.5, 13.5), (9.5, 12), (10.5, 11.5), (11, 10), (11, 9), (10, 5.5), (9.5, 4.5), (11, 4.5),
(14, 6.5), (16, 6.5), (16.5, 5.5), (16.5, 4.5), (15, 3), (13, 2.5), (11, 2.5), (8.5, 3.5), (9, 5.5), (10, 5.5)])
P15 = np.array([(16, 4), (15.5, 5), (14.5, 5.5), (13.5, 5)])
P16 = np.array([(8, 6), (9.5, 6), (9, 6), (9, 5.5)])
P17 = np.array([(8.5, 5.5), (7.5, 2), (5, 0.5), (3, 0), (2, 0), (1, 0.5), (0.5, 1), (1, 2), (2, 2.5), (3, 2.5)])
P18 = np.array([(0.5, 1), (0, 1), (0, 3), (2, 4), (7, 4), (7.5, 5.5), (8.5, 5.5), (8.5, 6), (8.5, 5.5)])
P19 = np.array([(8, 13.5), (9, 12), (8.5, 12), (7.5, 10.5), (7.5, 9), (8, 8.5), (8.5, 9), (8.5, 10), (8, 9.5)])
P20 = np.array([(8, 8.5), (7.5, 8), (5.5, 8.5), (7, 7.5), (7.5, 8)])
P21 = np.array([(7, 7.5), (7, 7), (7.5, 5.5)])
P22 = np.array([(8.5, 10), (9, 10.5), (9.5, 10.5)])

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,
     "P14": P14,
     "P15": P15,
     "P16": P16,
     "P17": P17,
     "P18": P18,
     "P19": P19,
     "P20": P20,
     "P21": P21,
     "P22": P22}
```