```
\ln[16] = p = \{\{5, 28\}, \{6, 28\}, \{7, 27\}, \{8, 26\}, \{9, 25\}, \{10, 24\}, \{11, 24\}, \{12, 23\}, \{13, 22\}, \{13, 24\}, \{13, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 24\}, \{14, 2
                                        \{14, 21\}, \{15, 20\}, \{16, 20\}, \{17, 19\}, \{18, 18\}, \{19, 17\}, \{20, 15\}, \{20, 16\},
                                        \{21, 14\}, \{22, 13\}, \{23, 13\}, \{24, 12\}, \{25, 12\}, \{26, 12\}, \{27, 12\}, \{28, 12\},
                                        \{29, 12\}, \{30, 12\}, \{31, 12\}, \{31, 19\}, \{32, 12\}, \{32, 19\}, \{33, 12\}, \{33, 19\},
                                        \{34, 13\}, \{34, 19\}, \{35, 14\}, \{35, 18\}, \{36, 15\}, \{36, 16\}, \{36, 17\}\};
                       ListPlot[
                            p]
                       25
                       20
                       15
Out[17]=
                         10
                           5
 In[18]:= n = Length[p]
Out[18]= 40
 ln[19]:= f[i_] := EuclideanDistance[p[[i]], p[[i+1]]];
                       For[i = 0, i < 10, i++;
                            Print[f[i]]]
                       1
                        \sqrt{2}
                        \sqrt{2}
                        \sqrt{2}
                       \sqrt{2}
                       1
                        \sqrt{2}
                        \sqrt{2}
                        \sqrt{2}
                        \sqrt{2}
 ln[21]:= f[i_] := EuclideanDistance[p[[i]], p[[i+1]]];
                       For [i = 0, i < 20, i++;
                             If[f[i] \le 2, Print[f[i]], p[[i+1]] = p[[i+2]]]
```

1

 $\sqrt{2}$

 $\sqrt{2}$

 $\sqrt{2}$

 $\sqrt{2}$

1

 $\sqrt{2}$

 $\sqrt{2}$

 $\sqrt{2}$

 $\sqrt{2}$

1

 $\sqrt{2}$

 $\sqrt{2}$

 $\sqrt{2}$

0

0

 $\frac{1}{\sqrt{2}}$

```
Block {i}, i = 1;
                               Label["begin1"];
                               p[i+1] = p[i+2];
                               Label["begin"];
                                Print[p[i]]
                                              f[i_] := EuclideanDistance[p[[i]], p[[i+1]]]
                                             If f[i] > \sqrt{2}, Goto ["begin1"], i++
                                             If[i > 39, Goto["end"], Goto["begin"]];
                                Label["end"];
                         Set::write: Tag List in
                                                 {{7, 27}, {6, 28}, {7, 27}, {8, 26}, {9, 25}, {10, 24}, {11, 24}, {12, 23}, {13, 22}, {14, 21}, {15, 20}, {16, 20}, {17, 19}, {31, 19}, {32, 19}, {
                                                                         33, 19}, {34, 19}, {18, 18}, {35, 18}, «3», {36, 16}, {20, 15}, {36, 15}, {21, 14}, {35, 14}, {22, 13}, {23, 13}, {34, 13}, {24, 12},
                                                                \{25, 12\}, \{26, 12\}, \{27, 12\}, \{28, 12\}, \{29, 12\}, \{30, 12\}, \{31, 12\}, \{32, 12\}, \{33, 12\}\} is Protected. \gg
                           \{\{7, 27\}, \{6, 28\}, \{7, 27\}, \{8, 26\}, \{9, 25\}, \{10, 24\}, \{11, 24\}, \{12, 23\}, \{11, 24\}, \{12, 23\}, \{11, 24\}, \{11, 24\}, \{12, 23\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}
                                       \{13, 22\}, \{14, 21\}, \{15, 20\}, \{16, 20\}, \{17, 19\}, \{31, 19\}, \{32, 19\}, \{33, 19\},
                                       {34, 19}, {18, 18}, {35, 18}, {19, 17}, {36, 17}, {20, 16}, {36, 16}, {20, 15},
                                      \{36, 15\}, \{21, 14\}, \{35, 14\}, \{22, 13\}, \{23, 13\}, \{34, 13\}, \{24, 12\}, \{25, 12\},
                                      {26, 12}, {27, 12}, {28, 12}, {29, 12}, {30, 12}, {31, 12}, {32, 12}, {33, 12}}[1]
                         Part::pkspec1 : The expression i_ cannot be used as a part specification. >>
                         Part::pkspec1 : The expression 1 + i_ cannot be used as a part specification. >>
                         SetDelayed::write: Tag Times in
                                                 Null Euclidean Distance [{{7, 27}, {6, 28}, {7, 27}, {8, 26}, {9, 25}, {10, 24}, {11, 24}, {12, 23}, {13, 22}, {14, 21}, {15, 20}, {16, 20}, {17, 27}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 28}, {18, 
                                                                                        19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19,
                                                                                        \{26, 12\}, \{27, 12\}, \{28, 12\}, \{29, 12\}, \{30, 12\}, \{31, 12\}, \{32, 12\}, \{33, 12\}\} [i], \ll 1 
                                                 is Protected. ≫
                         f[i_] := EuclideanDistance[p[[i]], p[[i+1]]]
                         B = \{3, 7, 2, 8, 9\};
                         For [j = 0, j < Length[B] - 1, j++;
                                If[B[[j]] < B[[j+1]], j = j+1, B[[j+1]] = B[[j+2]]]
   ln[3]:= B
Out[3]= \{3, 7, 2, 8, 9\}
   \label{eq:bubbleSort} $$ \ln[5]:= bubbleSort = B //. \{a_{__}, b_{_}, c_{_}, d_{__}\} /; b > c \to \{a, c, b, d\} $$
Out[5]= \{2, 3, 7, 8, 9\}
   log_{:=} bubbleSort = p //. {a___, b_, c_, d__} /; b > c \rightarrow {a, c, b, d}
Out[8] = \{ \{5, 28\}, \{6, 28\}, \{7, 27\}, \{8, 26\}, \{9, 25\}, \{10, 24\}, \{11, 24\}, \{12, 23\}, \{10, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}, \{11, 24\}
                                  \{13, 22\}, \{14, 21\}, \{15, 20\}, \{16, 20\}, \{17, 19\}, \{19, 31\}, \{19, 32\}, \{19, 33\},
                                  \{19, 34\}, \{18, 18\}, \{18, 35\}, \{17, 19\}, \{17, 36\}, \{16, 20\}, \{16, 36\}, \{15, 20\},
                                  \{15, 36\}, \{14, 21\}, \{14, 35\}, \{13, 22\}, \{13, 23\}, \{13, 34\}, \{12, 24\}, \{12, 25\},
                                  \{12, 26\}, \{12, 27\}, \{12, 28\}, \{12, 29\}, \{12, 30\}, \{12, 31\}, \{12, 32\}, \{12, 33\}\}
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