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1578: Minimum Time To Make Rope Colorful
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X X
a a a b c
1 3 5
ans += mint value, score [i+1])
value = max (value, score [i+1]
Ue are able to sun all numbers excluding
the max / nin by selecting max/nin value
each iteration.
Struct Balloon &
char color;
int time;
 bool operator < (const Balloon & lhs, const Balloon & rhs) &
       if ( lhs. color != rhs.color) {
       return lhs. color e rhs.color;
       return lhs. time c rhs. time;
```

```
int min Cost (const std:: string & colors, const std:: vector < int > & needed Time ) &
        assert (colors. sizel) == needed Time. size());
        assert (colors. size () 70);
        std: vector < Balloon > balloons;
         for (inti= 0; ic colors. size(); ++i) {
              balloons. push-back ( { colors [i], time Needed [i] });
          int result(3)
          auto Max Balloon { balloons [0] 3;
          for ( int i=0; ic balloons. size(); ++i) {
               if ( balloons [i]. color == balloons [i+1]. color) {
               result += std:: min (nax Balloon, balloons [i+1]);
                  nax Balloon = std::nax (max Balloon, balloons [i+1);
                  continue;
              nazBalloon = balloons[i+1];
          return result;
```

3