
0511

?

UVa 10474

- x
-

UVa 11057

- M
-
  -
  -
-
  -
  - x $M - x$

UVa 11413

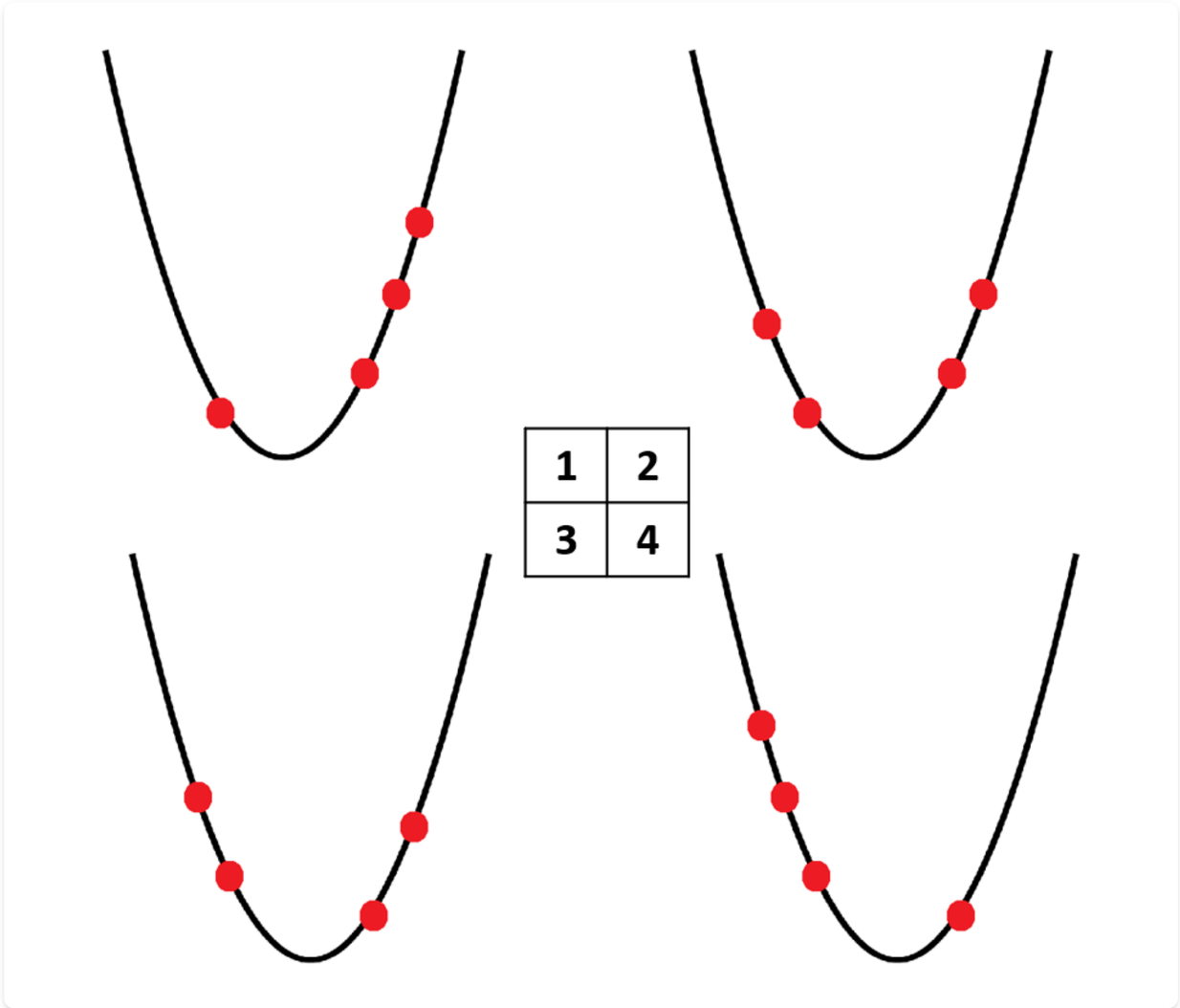
- N M M X X
-
  - X X
- X X M

UVa 12190

- A B ( )?
- $F(X)$ X
- $total$
- x
  - $F(total - x) - F(x) == B$ x
  - $F(total - x) - F(x) < B$ $total - x < x$ $x = R - 1$
  - $x = L + 1$

UVa 10232

- 0 $r_1, r_2, ..., r_n$ k
- k k $k-1$
-
  -
  - $ans = 0$ ans D
  - $ans = D \rightarrow ans+ = 1$
  - $ans = max(ans, D)$
-
  - k
  - k
  - D
  - $D == K \rightarrow K- = 1$
  - $D > K \rightarrow$ fail


1
2
3
4

-

- $y = F(x) = x^2$) /

  - $S(a) < S(b) < S(c) < S(d)$
  - $S(a) > S(b) < S(c) < S(d)$
  - $S(a) > S(b) > S(c) < S(d)$
  - $S(a) > S(b) > S(c) > S(d)$
-

  - $S(b) < S(c)$
  - $S(b) > S(c)$

```
double trinary_search(double L, double R)
{
    for (int i = 0; i < 300; ++i)
    {
        double mL = (L + L + R) / 3, mR = (L + R + R) / 3;
        if (f(mR) > f(mL))
            R = mR;
        else
            L = mL;
    }
    return L;
}
```

UVa 01476

- N S_i $F(x) = max S_i(x)$ $F(x)$
  -