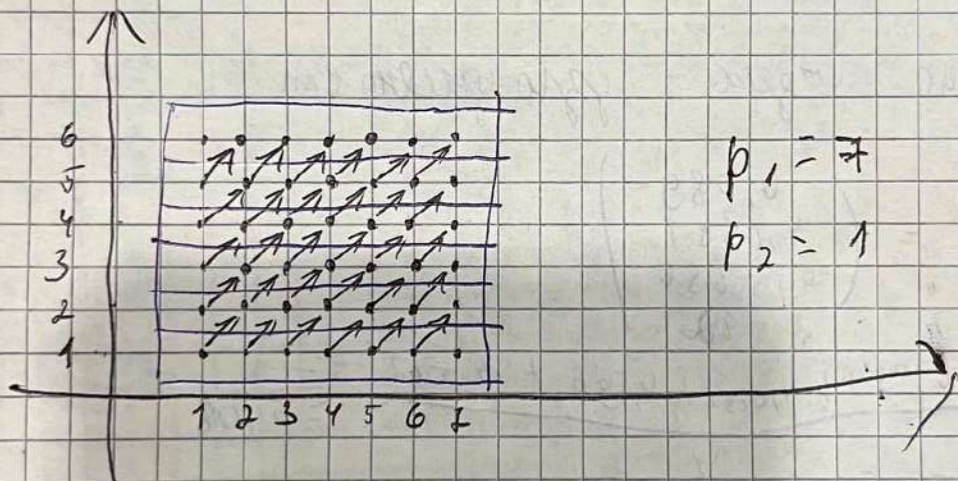


Кодирование информации ТИМ-43

```
1) FOR i = 1, 7 DO
  FOR j = 1, 6 DO
```

$$X(i, j) = 2 \cdot X(i-1, j) + X(i-1, j-1) \cdot 2$$



```
FOR k = 1, p1 DO p1 * p2
  FOR l = 1, p2 DO p1 * p2
    FOR i = k + 1, 7, p1 DO
      FOR j = l + 1, 6, p2 DO

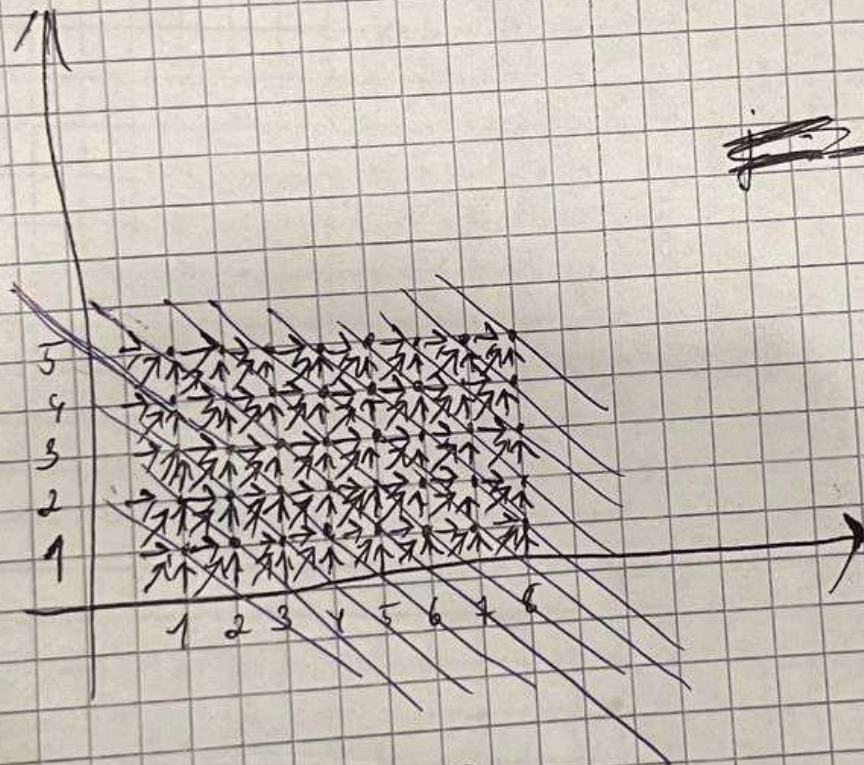
$$X(i, j) = 2 \cdot X(i-1, j) + X(i-1, j-1) \cdot 2$$

```


2) FOR $i_2 = 1, 5$ DO

FOR $i_1 = 1, 8$ DO

$$Z(i_1, 1) = Z(i_1, -2) + Z(i_1 - 1) + 5 * Z(i_1)$$



FOR $v = 1, 12$ DO

FOR ALL ~~(i_1, i_2)~~ $(i_1, i_2) \in \{$

$\in \{ (i_1, i_2) : i_2 = -i_1 + v + 1 \wedge (1 \leq i_1 \leq 8) \wedge$

$1 \leq i_2 \leq 5) \}$ DO PFR

$$Z(i_1, 1) = Z(i_1, -2) + Z(i_1 - 1) + 5 * Z(i_1)$$