class Solution {

public:

bool isPerfectSquare(int num) {

if (num <= 0)

return false;

int last[] = {0, 1, 4 , 5, 6, 9};

if (find(last, last + 6, num%10) == last+6)

return false;

int left = 0;

int right = 46340;

int mid = 0;

int temp = 0;

while(left <= right)

{

mid = left + ((right - left) >> 1);

temp = mid \* mid;

if (temp == num)

return true;

else if (temp >num)

right = mid - 1;

else

left = mid + 1;

}

return false;

}

};