/\*

Reverse bits of a given 32 bits unsigned integer.

For example, given input 43261596 (represented in binary as 00000010100101000001111010011100), return 964176192 (represented in binary as 00111001011110000010100101000000).

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class Solution {

public:

uint32\_t reverseBits(uint32\_t n)

{

vector<int> num;

while(n!=0)

{

num.push\_back(n%2);

n/=2;

}

for(int i=num.size();i<32;i++)

num.push\_back(0);

uint32\_t ret=0;

int k=1;

for(int i=num.size()-1;i>=0;i--)

{ cout<<num[i];

ret+=k\*num[i];

k\*=2;

}

return ret;

}

};