You're given number n.

Return n as a product of its prime factors.

**Example**

For n = 22 the output should be "2\*11".

For n = 120 the output should be "2\*2\*2\*3\*5".

For n = 17194016 the output should be"2\*2\*2\*2\*2\*7\*59\*1301".

* **[input] integer n**
  + An integer number smaller than 109.
* **[output] string**
  + The Prime factors of n which splited by \*symbol. prime factors should be in increasing order.

<https://codefights.com/challenge/e7KPB7297vjTTXZa4>

std::string primefactors(int n) {

std::vector<int> factors;

int divisor = 2;

while(n>=2) {

if(n%divisor == 0) {

factors.push\_back(divisor);

n/=divisor;

} else {

divisor++;

}

}

struct Helper{

char buffer[100];

std::string to\_string(int k){

sprintf(buffer, "%d", k);

return std::string(buffer);

}

};

Helper h;

std::string s="";

for(int i = 0; i < factors.size()-1; i++) {

std::string aux = h.to\_string(factors[i]);

s+= aux ;

s.insert(s.end(), '\*');

}

s+= h.to\_string(factors[factors.size()-1]);

return s;

}