/\*\*

 \* Note: The returned array must be malloced, assume caller calls free().

 \*/

int\* productExceptSelf(int\* nums, int numsSize, int\* returnSize){

\* returnSize=numsSize;

int \*result=malloc(sizeof(int)\*numsSize);

int pre;

int suf;

int ans=1;

for(int i=0 ;i<numsSize ;i++){//將prefix的值存到最後結果中

  if(i==0){

    ans=1;

    result[i]=ans;

  }else{

    ans=ans\*nums[i-1];

    result[i]=ans;

  }

   //printf("prefix=%d\n",result[i]);

}

for(int i = numsSize-1 ; i >= 0 ;i--){//將suffi與值相乘後存到最後結果中

  if(i== numsSize-1 ){

    ans=1;

    //printf("suffix=%d\n",ans);

    result[i]=ans\*result[i];

  }else{

    ans=ans\*nums[i+1];

    //printf("suffix=%d\n",ans);

    result[i]=ans\*result[i];

  }

}

return result;

}