start

Read n

N!=?

I=n

If(I<n)

J=0

X=n

Print space

X=x-1

Is x>i

If i==j

J=j+1

If j<+i

I=i+1

If i>=0

K=i-1

Print k

K=k-1

k>=0

If k>=0

K=k-1

Print k

K=i-1

stop

I<=n

I=i+1

J<=i

J=j+1

If j==i

Print j

j-=0

If x>1

X=x-1

Print space

X=n

If i<1

YES

NO

YES

NO

YES

NO

YES

NO

YES

YES

NO