Climb ladder

A person is standing at the bottom of a ladder that has N>0 rungs.

The person can climb the ladder by advancing each step 1 rung at a time, 2 rungs at a time, or 3 rungs at a time.



How many different ways are there for someone starting from the ground at the ladder's base to climb the ladder such that their feet end on the ladder's top rung?

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Write a function
int nclimbs(int n)
where
n is the number of rungs on the ladder
and returns the number of ways to climb the ladder if n>0, otherwise returns -1
File you must submit: soln_func.cc
Examples:
n=1
Returns: 1
Explanation: Only one way, climb a single rung.
n=2
Returns: 2
Explanation: 1+1 or 2 rungs in a single step.
n=4
Returns: 7
Explanation: The seven different ways are:
1+1+1+1
1+1+2
1+2+1
2+1+1
2+2
3+1
1+3
n=0
n=-1
Each returns: -1
```

Explanation: Neither satisfies n>0.