When doing DD How to Correctness proof?

OPT(i,v) what an I inducting 8n?

Formal predicate

P(m) = "My ALG careetly finds OPT(i,w)

for all i,w st. itw=m asisn, oxwsW".

OPT(i-1,w)

POPT(i-1,w-wi)

We do strong induction on P(m).

P(0) = "We han calentreed OPT(0,0) corrulty.