sem\_P(begin R := 1; I := 1; while 2\*N + 2 > I do begin R := R\*I; I := I + 2 end end) =

= sem\_S(R := 1; I := 1; while 2\*N + 2 > I do begin R := R\*I; I := I + 2 end) =

= sem\_S(R := 1) ● sem\_S(I := 1; while 2\*N + 2 > I do begin R := R\*I; I := I + 2 end) =

= sem\_S(R := 1) ● sem\_S(I := 1) ● sem\_S(while 2\*N + 2 > I do begin R := R\*I; I := I + 2 end) =

= ASR(sem\_A(1)) ● ASI(sem\_A(1)) ● sem\_S(while 2\*N + 2 > I do begin R := R\*I; I := I + 2 end) =

= ASR() ● ASI() ● sem\_S(while 2\*N + 2 > I do begin R := R\*I; I := I + 2 end) =

= ASR() ● ASI() ● WH(sem\_B(2\*N + 2 > I), sem\_S(begin R := R\*I; I := I + 2 end)) =

= ASR() ● ASI() ● WH(sem\_B(2\*N + 2 > I), sem\_S(R := R\*I; I := I + 2)) =

= ASR() ● ASI() ● WH(S2(gr, sem\_A(2\*N + 2), sem\_A(I)), sem\_S(R := R\*I; I := I + 2)) =

= ASR() ● ASI() ● WH(S2(gr, sem\_A(2\*N + 2), sem\_A(I)), sem\_S(R := R\*I) ● sem\_S(I := I + 2)) =

= ASR() ● ASI() ● WH(S2(gr, sem\_A(2\*N + 2), I⇒), sem\_S(R := R\*I) ● sem\_S(I := I + 2)) =

= ASR() ● ASI() ● WH(S2(gr, sem\_A(2\*N + 2), I⇒), ASR(sem\_A(R\*I)) ● ASI(sem\_A(I + 2))) =

= ASR() ● ASI() ● WH(S2(gr, S2(add, sem\_A(2\*N),sem\_A(2)), I⇒), ASR(sem\_A(R\*I)) ● ASI(S2(add, sem\_A(I), sem\_A(2)))) =

= ASR() ● ASI() ● WH(S2(gr, S2(add, S2(mult, sem\_A(2), sem\_A(N)),sem\_A(2)), I⇒), ASR(S2(mult, sem\_A(R), sem\_A(I))) ● ASI(S2(add, sem\_A(I), sem\_A(2)))) =

= ASR() ● ASI() ● WH(S2(gr, S2(add, S2(mult, sem\_A(2), N⇒),sem\_A(2)), I⇒), ASR(S2(mult, R⇒, I⇒)) ● ASI(S2(add, I⇒, sem\_A(2)))) =

= ASR() ● ASI() ● WH(S2(gr, S2(add, S2(mult, , N⇒), ), I⇒), ASR(S2(mult, R⇒, I⇒)) ● ASI(S2(add, I⇒, )))

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