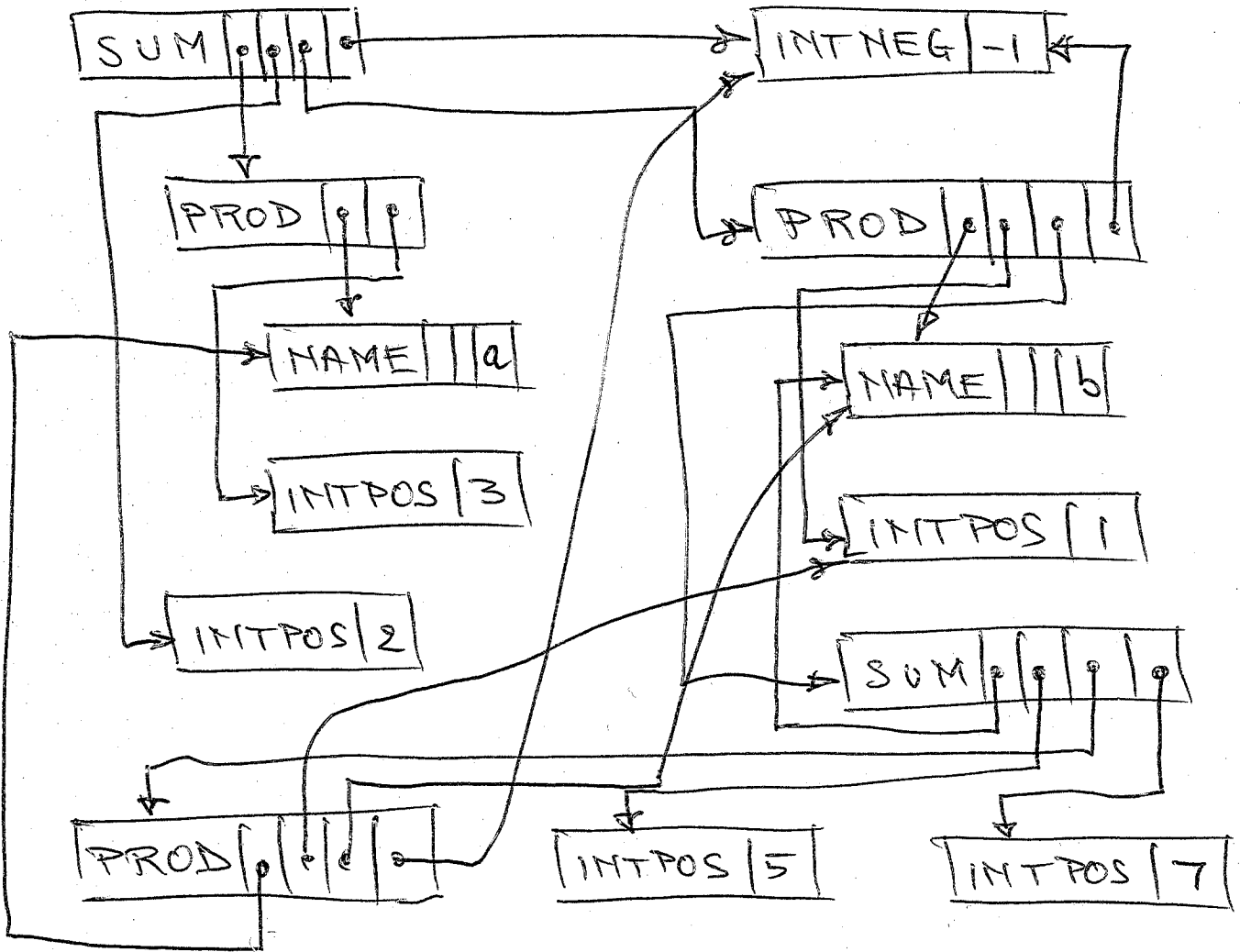


NAME: ANSWERS

Type restart; q := 2*a**3 - b/(5*b + 7*a/b); and answer the following:

1. Draw the directed acyclic graph of the data structure for q.



2. Explain the outcome of the command subs(-1=c,q).

We see $2a^3 + b(5b + 7a b^c)^c = c$ occurs 3 times because -1 is stored only once but used 3 times: once as coefficient for $-b$ and twice as exponent in the divisions, e.g: $a/b = a * b^{-1}$.

Alternative: Bring to class on Monday the print out of the Maple worksheet with your answers to assignments 3 and 6 of Lecture 10, 5 of Lecture 11; 2 and 3 of Lecture 12.