Evaluation of Sot

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5-0 AS { \$ HINT (1) } Example: What is the output 5-0 AB [paintf(2)) when the following A-00 { print f(3)} the given soo. B-obc { printf(4) } B-odB { painter(5)} # I/b= aadbe C-0 C { bdintf(6)} Solution: -There are two methods to evaluate sor: (9) top-down (b) bottom- up. (9) top-down:-{...} will be treated as a non-terminal Patre tree will be constructed Depth-Fitst ftaverral. Output: 336 4521 (depth fisst flovel fal |

(b) Bottom-up:

· Don't consider {... I while duilding passeffee.

When there is a reduction, then evaluate {.... }

Yed. Fa d B

· Eisefly, when (·) moved
ahead in bottom up

patring, we will have

patring the will have

Stack: a—p A with

Stack: a—p A with

the depth first order.

· Dutput: 3364521

Go ley bottom-up patring algorithm.