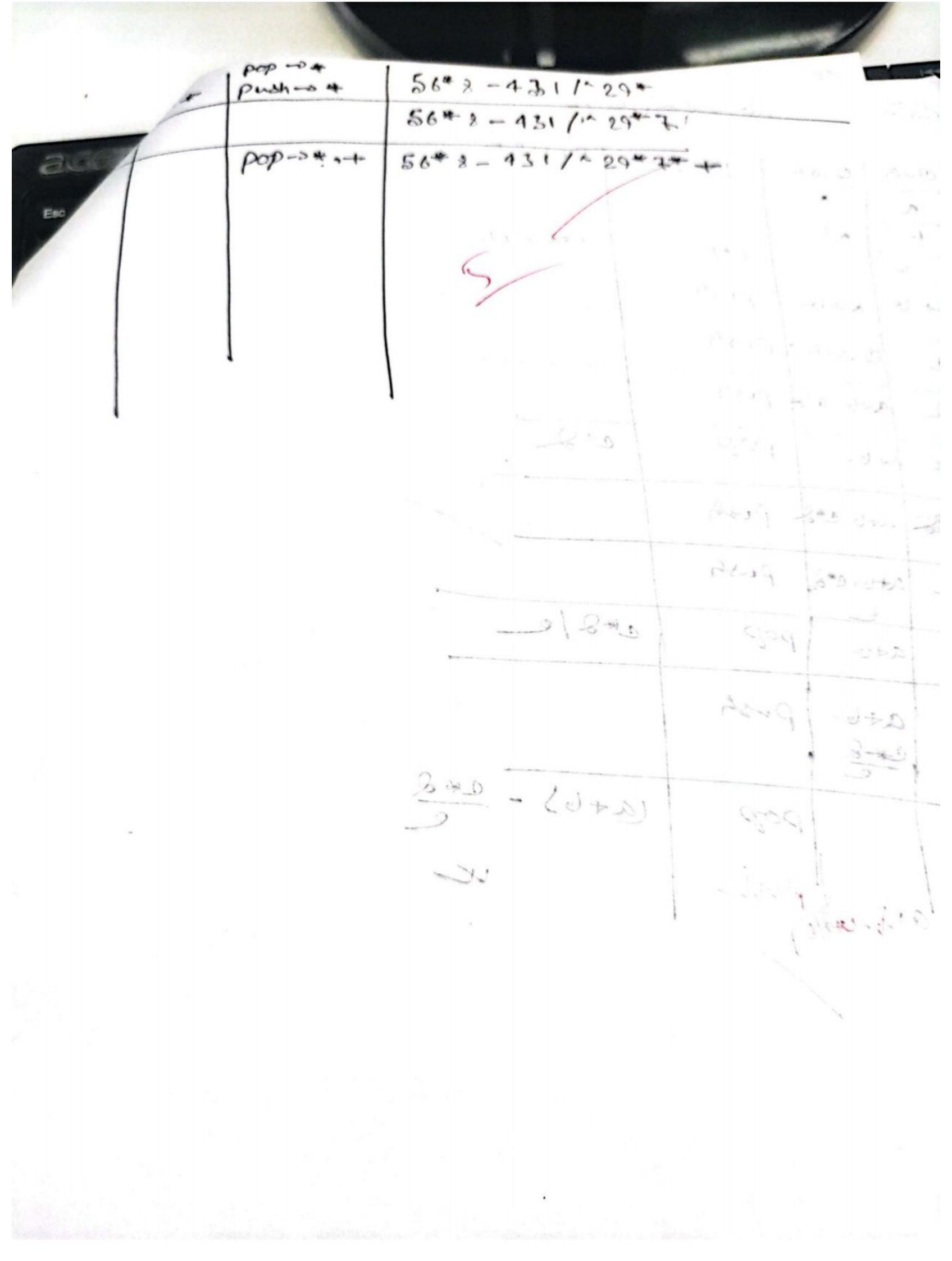
| a A | Stac | 4 Operation | - | A | | |
|----------|------|-------------|-----------|---------|---|---|
| 1 | / | push->1 | | | | |
| (| 10 | push -> C | | A | | |
| | 16 | | | AC | | |
| - | 16- | push-0- | | | | |
| Ь | 1C- | | | ACD | | |
| > | 1 | bob -0 - | men | ACB- | | |
| * | * | page-01 | | ACD-1 | | |
| <u> </u> | * (| 1 | 4-2-24 | n | | 5 |
| I | n | | | ACD-/I | | |
| _ x | k- | Push-D- | | y | | |
| K | n | P | PMC 20,74 | ACK-13 | | |
| 3 | * | | | ACD -/3 | - | |
|) | | 9 | Invalid | - / | | |
| 1 | 1 | | | | | |
| | | | 1 | | | |
| | 1 | | | | • | |
| 9.00 | | 1 | | | | |
| | | | | | | |
| | 1 | | | | | |
| | | | | | | |
| | | | | | | |





| @ 5* | 5-8+1 | 463/15 | 2, 4, 4 | |
|---------------|-------|----------------|---------|------------------|
| Char | Seach | operation | Result | 1 Sint |
| 5 | | 1 | | 5 |
| * | * | Push -> * | 1 1 | 56 |
| . 6 | * | 000-0.1 | | 564 |
| _ | - A | pop-0.* | | |
| | - | | | 50* 9 |
| + | | pop->- posh->+ | | 56*8- |
| | + | push -sc | | 56*8 - |
| 1 | +(| + | | 56*8-4 |
| 4 | +(| | | 56*8-4 |
| | | push-31 | | 56*8-4 |
| L | +1~ | push -> C | | 56*8-43 |
| 3 | n | | 40.8 | |
| - | +001 | Push -31 | | 131 |
| | n | 1 | | 56*8-431 |
| - | +(^ | POP-21 | reach | 56*8-4311 |
| $\overline{}$ | | pop-sa | pealch | 56*8-431/^ |
| | + | - | | 56*8-431/2 |
| | \-* | push-ok | | 4 |
| * | - | - | | 56 * 9 - 431/129 |
| * | +* | pop->+ push->+ | | 56*8-431/29* |







valuate the following postfix expressions using stack. Show the steps.

a. 2536+**5/2-

b. ab+cd*e/-

YOU DO NOT NEED TO WRITE ANY CODE.

(10)

Chan 2536+ ## 5/2-1

| Char | Stack | operation | Result |
|------|--------|--------------|--|
| 2 | 2 | push - 32 | |
| 5 | 2'5 | push | |
| 3 | 253 | 11 | |
| 6 | 2536 | ~ | |
| + | 2.5 | POP-23.6 | . 3+6 29 |
| 9 | 259 | push-09 | 1. |
| * | 2 | POP ->5,9 | 5 x 9 = 45 |
| 45 | 2.45. | push -> 45 | 7 |
| * | , | PUP-02,45 | 2×45 = 90 |
| 5 | . 05 0 | Putt | AS A |
| | | pop- | 4. |
| 7 | 90 | push | De-47-0/ |
| 90 | 5.90 | push | |
| -31 | 3,, | pop | 9015 218 |
| / | | | 7-13 210 |
| 18 | 18 | push | |
| - | 13 2 | push | -12-2 2 16 |
| 2 | | POP | |
| | 4 | Touch | |
| | (16) | · TET | Frankly Est |
| 16 | | nesult: | pupa |
| | Q | The state of | X / 5 |

SEX 8 - 431/ 12 1 9

* 614/121-0425

ab + c8+ 6/char Gach opposedion possels 00 ea atib a ab 6 pop put 2+6 415 Beatly & push C atticis push 8 c & 2 porp & ports, attende push attenda push a+6