Precklence and Associativity December Predelence: 10 + 20\$20 => 10+40 => 50 Saturday Sesociativity (1 for): 10 + 20-3 => 12-3 => 9 Associationing (RAL): 21/12 => 21/1=) 2 Associativity opvetors R to L Le to R precid \*,/ L toR Post AX and 11 Sa 13 Mo Postfix Conversion: 16 Th 18 Sa Infix to postfx Conversion: infix = " a +6 \*c" Il: infx = "(a+b)\* e" postex = "abtc\*" ofp. infix: " a n b re" Ap: postfix: "orbo AN" "(a+6) 4 (c+d) postex: ab featox

to postfix using stack December Strick Resull (Postfie 360-005 Thursday 1st a Month a '03 小爷 + a 6 Sa + ab il 4.0 6 Mo X \* ab 4 7 Tu 8 We C Ab c Th 10 Fr ab Cox 11 Sa + 12 Su 13 Mo abc+ 14 Tu We 16 Th a+16) + c 11/2 1 17 Fr 18 Sa 16.005 a a 19 Su 20 Mo 21 Tu 22 We ab Ь 23 Th 24 Fr 25 Sa \* 26 Su \* 26+ 27 Mo × 28 Tu 29 We 30 Th 20+0\* Pop every this 31 Fr JAN

F

Th

| Infix to Pry   | ax Conversion C | Vaire Approach)              |
|--|-----------------|------------------------------|
| Two steps:   |                 | GA                           |
| Two step:  Two step:  Fully parenthesize (2) start converting from innermost December  Thesday |                 |                              |
| 01   |                 | to distinuest. Thesday       |
| m+11 42 > / 20 1/1   |                 | 10,30                        |
| n+y*3 > (x+4)  | *3) > (n+(+yt.  | )) = +x x y z                |
| (nty)*3 => ((xty)  |                 |                              |
|  |                 |                              |
| xnynz => (xny  | 17)) => (2N(N)  | (t)) = 12142                 |
| Ç.   |                 |                              |
| (a+y)*(3+w) => ((  | (3+W)) =)       | ((+ ny) *(+zw)) => **+ay +zw |
|  |                 |                              |
| Tulis to to but  | x (efficient) E | range: 2+ y/3 - w*u          |
|  |                 |                              |
| Input Symbol(e)  | Stack           | - Prefix                     |
| - u  |                 | <u> </u>                     |
| *  | Tx/             | d                            |
| w  | 1*1             | uW                           |
| -  |                 | UW *                         |
| 7  |                 | uw*z                         |
| 3  | 4               | uw 3                         |
| 1  | V 1             |                              |
| y  |                 | uw # 34                      |
|  | La              |                              |
| 4  |                 | MM* 3A/                      |
|  | 14              | 11 m d 2 1 / 2               |
| 7  |                 | UW+37/2                      |
|  |                 | UW#34/21-                    |
|  |                 |                              |
| ontw: -+ 2/22 * wu   |                 |                              |

