aistograd dono $f = \int SX + cX, \text{ if } X > 0$ SX - CX, otherwise1. s:gc, c:-gs, add: 9,9 subtract: 9, -y neg: -g, add to; g, g f' = bwfw(f):(old, new) $t \leftarrow [],$ mul: 9x2, 9x1 fuiti[汉],[汉],[汉],[汉],[汉ta] 2. make I afferentiable bw: 1. last appord(1) 3. sum: /st ->s Y vet, reverse Yvelist: s+=v, i.e. adto $g \leftarrow sun(v,gs)$ 4. $S[x] \rightarrow [Sx]$ $V(w, \varphi) \leq v. \varphi$ iv.gs. append (op(g)) $[SX]. \psi S = gc$ 8. f"=bwfn(f): $5. S[[\infty]] : \rightarrow [[\infty]],$ $f_w: t:[x],[sx],[cx],[sxtcx],",",[sx],ops = gc$ 1't: [[x]], [[sx]], [[cx]], [[sxtox]], ",",