Md. Tamim Hossen Setat Id: 19-39349-1 Compilen Design[F]
Mid term Assignment

Amito the gino-1

$$P = x - x * (y + z) / (z - x) + 15$$

$$(id,1) = (id,2) (-) (id,3) (x) (id,3) + (id,4) (1)$$

$$(id,4) - (id,2) + (15)$$

$$temp 1 = int + 0 \text{ float } (id,3) + int + 10 \text{ float } (id,4)$$

$$temp 2 = int + 0 \text{ float } (id,4) - int + 0 \text{ float } (id,2)$$

$$(id,1) = int + 0 \text{ float } (id,2) - int + 0 \text{ float } (id,3) * temp1 / temp2 + 15.00$$

Code genetation!

FMOV.	FRA, X
FMOV	FRB, Y
FMOV	FRD, Y
FMOV	FRC, Z
FSUB	FRB, FRC
FADD	FRC, FRA
FMUL	FRD, FRB
Train	FRD, FRC

Amitothe ano-2

Constructed Scheme:

$$E \rightarrow E+T \left\{ \text{Pnint}(1+1) \right\}$$

$$E \rightarrow T \left\{ \right\}$$

$$T \rightarrow T/F \left\{ \text{Pnint}(1/1) \right\}$$

$$T \rightarrow Tx F \left\{ \text{Pnint}(1/1) \right\}$$

$$T \rightarrow F \left\{ \right\}$$

$$T \rightarrow F \left\{ \right\}$$

$$T \rightarrow hum \left\{ \text{Pnint}(hum.lexval} \right\}$$

$$4/2+5*2$$

Amilothe ano-3

Preduction	Semantie Rules	Semantic Aution
S->U	St:= U.t	{ Print () 3
U→TaU	U.t != T.t U.t 'a'	{Phint('a')}
U->TaT	U.t:= T.t 11 T.t 11 'a'	{Print ('a')}
T → aTbT	T.t:=T.t 11 T.t 11 'a' 11 'b'	E Phint ("ab" 3
	T.t := T.t 11 T.t 11 'b' 11 'a'	{ Privit ("ba"}
T>d	T.t := 'd'	{Phint ('d')}

