Grammar

System Process := GIT | X | R | L 1 2 S := loc, C, o loc, o State Mapping Concurracy C := c | C | C Comment c := skip | x = + 1 Cijcz | if + pred + than a else cz 1 While + pred + do a are + + pred + + then d L:= Skip | X:=+ | d. sez | if + pret + then di elan dz Simple commels t :: = x | n | + op + ' | -+ terms Variables n := 011121numerals op := + 1 +1operators predicate symbol pred := = 1 \ | < | > | \le | \ \ loc := 0 | 0. n. n. n. nk location 6 := c, 0 | 0, C, 0 |. Gate r := 5,, ..., sel. Gamen 10/0/1 X:= 1jo | 1jo 010 | 200 General R:= Sij.1-ijSl iji. Shorte Sink L :== Si, -, Sk 1. 12:= 5,,-95k1. Omega o ::= S, ..., Sk 1. Output Inpt := 5, ... 5 St 1. Function Count Coverent where I count count SI is an integer i for the number of "II" in Concurrey C Function Graph here I Graph I is a visual representation of a graph

Fors of Digent 611/XIRILI2-061111XIRILIA 61 M/X/R/L/R ~061 M/X/R/L/1-2 GIT (X/R/L/-2 ~ 6/17/X/R/L/-2 61 MX 1 RILIR -0 61 M/ X/ R/L/ R GIPIXIRILIR NO GIPIXIRILIA More on next page.

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Rules Forms & GILIXIBITIO ~ C. ILIX Typut 「一口「 611/XIRILIA ~ GILIXIBITIZ X ~ X' GIPIXIRILIA -DGIPIX'IRILIA R-DRI GIPIXIRILIA NO GIPIXIR'ILIA L M L' MANAGERIA DI COME SONI 0 GIFIXIRILIA -DGIFIXIRILIIA 2 ~ 2 ~ 1 GIPIXIRILIE ~ GIPIXIRILIE! SITI XIRILIA NO . 1 S, PIXIRILIA Gate push (1) (1) (1) (1) (1) (1) (1) (1) · ~ C, o Gate inpt, Como o, co Gate process Gerenhe 61711155, SKI - 15-16/12 ~ 06/1/155, - 56-1/567 -1-2 push do no ol 2,5002,01 2,500021,01 d,0 ~ 01

6/51, JSK-1, SKIXIRIL HIR DOGIS, , SKI SK, ijol RISK, LI-2 Gaman Sk=0.- No, E, o [Cont Concernt Sk] = j Skroo... no.1, C, o ,..., O.- No, j, C, o Generater 5, ..., Sk-1, Skjo~D 5,, ..., Sk-1; Skl, ..., Skj, 0 Proces 3 6/11/51, -, Sk-1, SkiolR/LISL -0 6/11/51, -, Sk-1iski, -, SkjiolR/LIA GITTISS TO ISLANDELLISE OF GITTISS OF THE LEVEL It put + It = False Gounty Bous Ci = quait + pust the d Sk = 0... no, cill... llcill... llcis - llcis - exception [[Cent Carent Sk] = j Skno O. no. 1, C,o, ..., O. no. i-1, c,o, O. no. i+1, c,o, ..., O. no. j, c,o S, __, Sk-1, Skjo ~D S, __, Sk-1; Ski, _, Ski-1, Ski+1, __ Skj, 0 GITISIN - SE-1, Skio [RILL & NO GITI SIN- Sk-1) Sti, ... Sti-1, Stims - Stijol RILLA Submite process to a Mic=1 Ci,0~0C',01 5= 0.n. nk, c, 11-11 cill -11 cjo C, 11-11 cill - 11 cjo mail -11 c; 11-11 cjo 6/17/X/5/30/1/2 ND G/17/X/3/3/5/6/2 Signeta NE=1 Ciso NO 01 proms 5=0.n.-nk, c, 11.-11 cill. 11co c. 11.-11cill-11cjso-10611-11cjsol to of 595- ~0-055' GIPIXISis. ICIA NOGIPIXI. SISILIA [+p2+1] == The 2,0 -000 of 2,0 -n 1,0 d,0 -n 01 and + pet the loop of do not o'

Support X := +, o no o [x +) [+] =] C1,0 200 C2,01 C1,0 20 C1,01

C1,0 200 C2,01

C1,0 200 C1,01 It pr +' To = True if f pet 11 the a che Cz, ond ci, o If pultilo = False if the fither coche caso me caso [+p2+1] = Fake able + prel +' do a, o no o It post 1 Do = True elle + pr + 1 bc, o no cj Me + pr + do cjo GITIXI.jsILIS TO GIS, FIXI.j. ILIS posh 6/17/x/2/51/0 -06/17/x/2/51,-,56/51,-sk Sork ps4 [Graph] Graph Sij. - , Sk - 0 . Gerentran GIPIXIRILISISSE ~ BIPIXIRILI.