

Project Planning & Control

Lesson 6

Defining Relationship

(Based on Construction Method)- Simple Shed

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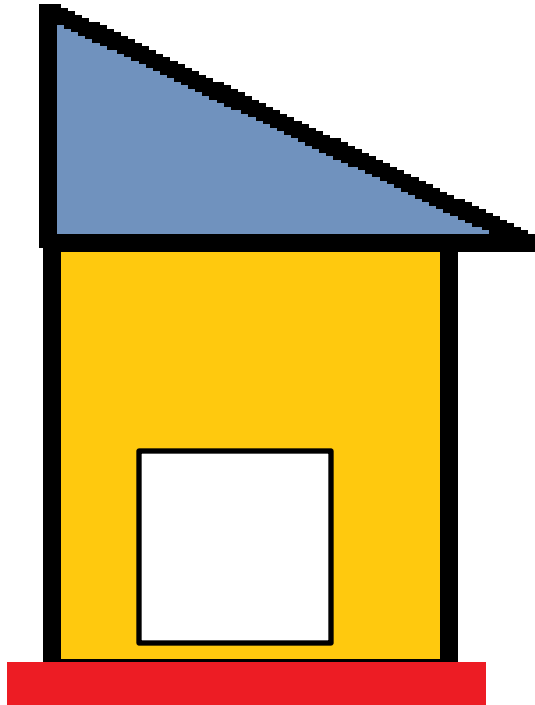
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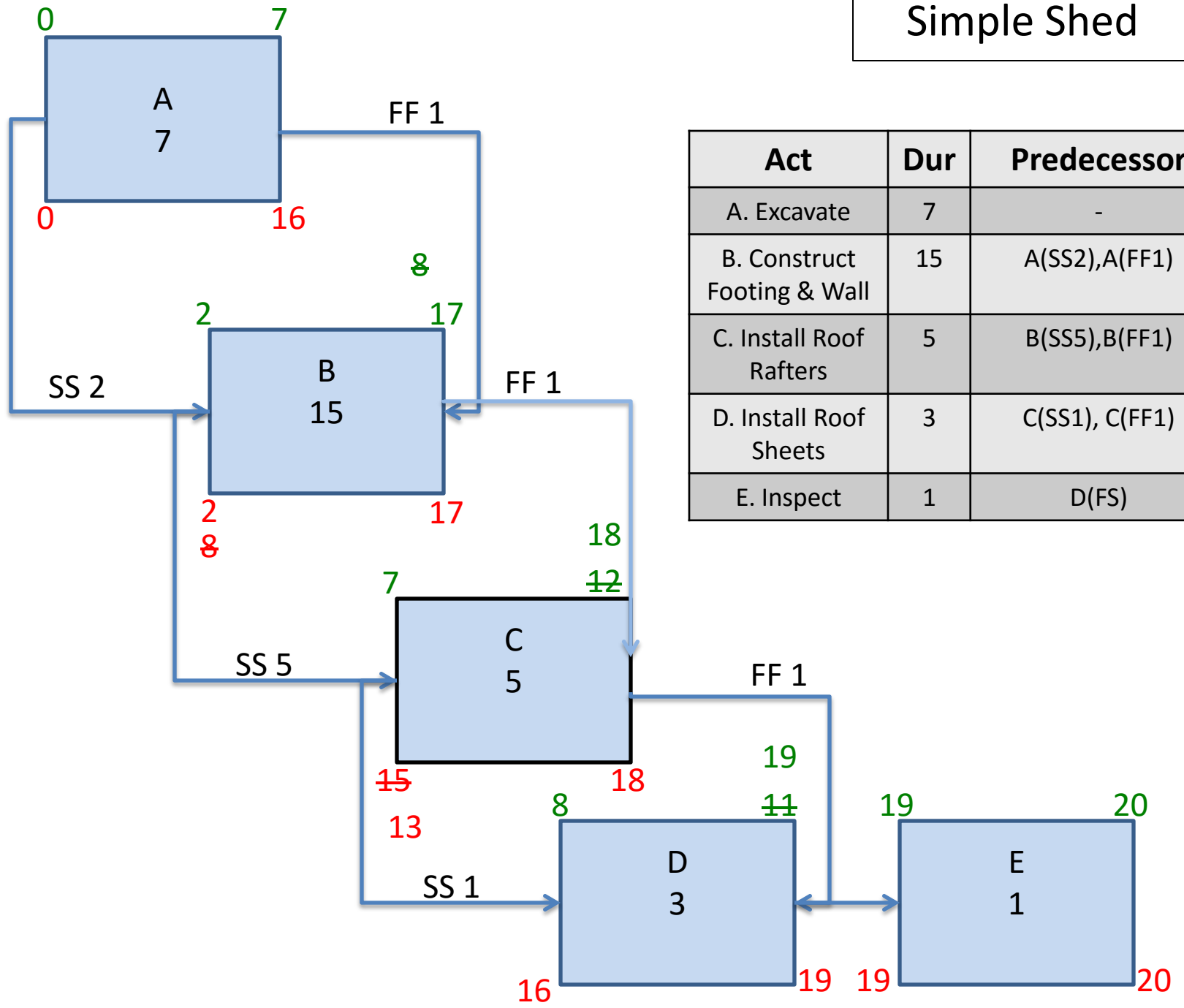
Defining Relationship (Based on Construction Method)

- Simple Shed

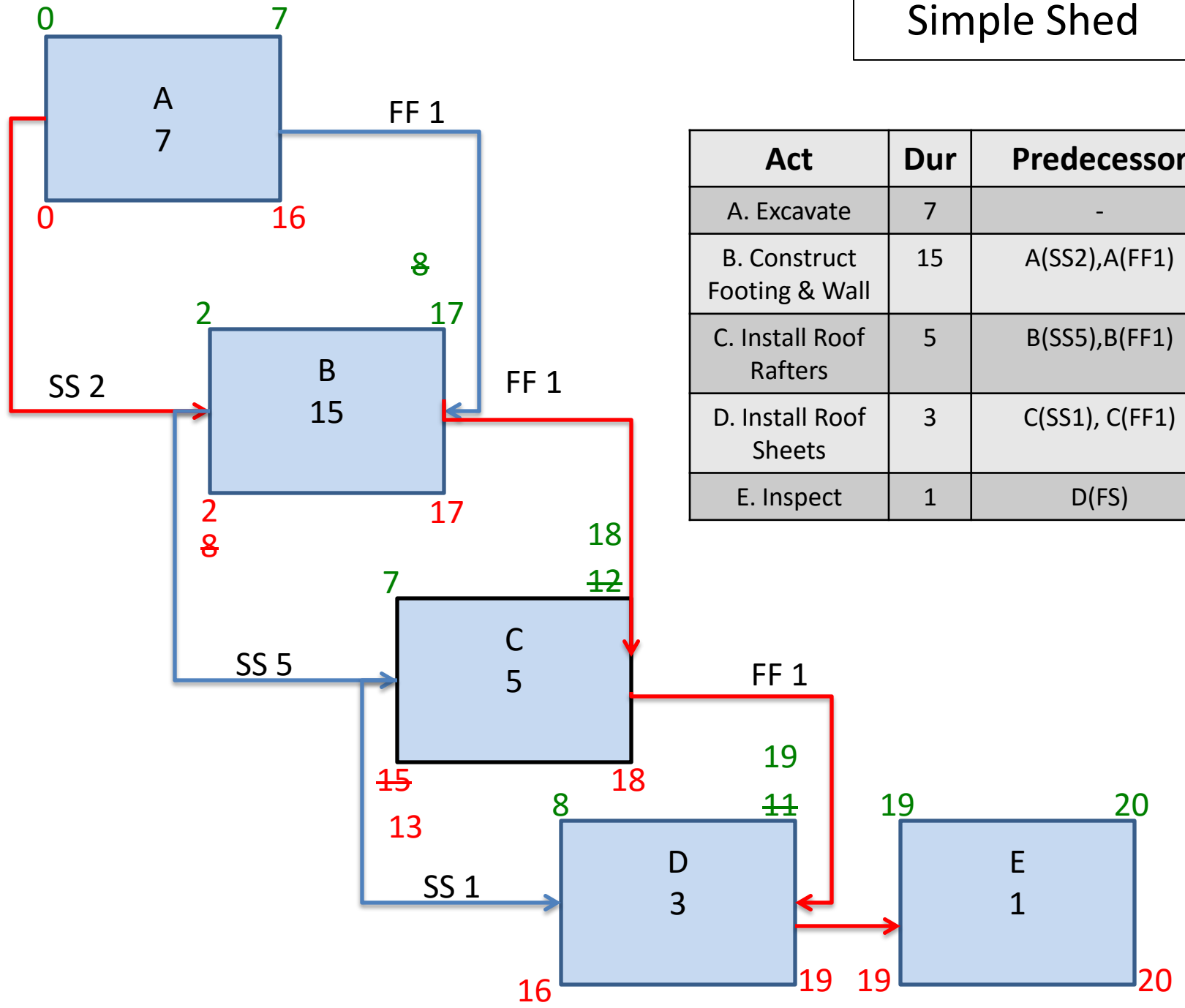


Act	Dur	Predecessor
A. Excavate	7	-
B. Construct Footing & Wall	15	A(SS2),A(FF1)
C. Install Roof Rafters	5	B(SS5),B(FF1)
D. Install Roof Sheets	3	C(SS1), C(FF1)
E. Inspect	1	D(FS)

Simple Shed



Simple Shed



Result Tabulation

Act	Dur	Pred	ES	EF	LS	LF	SF	FF	AF
A. Excavate	7	-	0	7	0	16	0	9	9
B. Construct Footing & Wall	15	A(SS2), A(FF1)	2	17	2	17	0	0	0
C. Install Roof Rafters	5	B(SS5), B(FF1)	7	18	13	18	6	0	6
D. Install Roof Sheets	3	C(SS1), C(FF1)	8	19	16	19	8	0	8
E. Inspect	1	D(FS)	19	20	19	20	0	0	0

Relationship Floats

SS (LS(j)-ES(i)-L)	FF (LF(j)-EF(i)-L)	FS (LS(j)-EF(i)-L)
AB = (2-0-2) = 0	AB=(17-7-1) = 9	DE=(19-19-0) = 0
BC = (13-2-5)=6	BC= (18-17-1)=0	
CD= (16-7-1) = 8	CD=(19-18-1)=0	

PDM- Application Issues

- Representing correct logic based on construction/implementation method & interpreting results requires significant experience
- Software is not standardized- detailed knowledge of limitations is required
- Analytically powerful approach. But apply with care!! Start with basics.

DISCUSSIONS