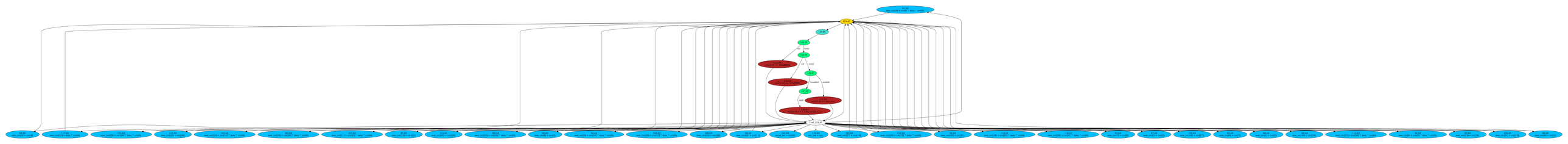

91:AS

new_crc[5] = crc[6] ^ data ^ crc[0];

119:AL

120:BL

104:AS

new_crc[18] = crc[19];

115:AS

new_crc[29] = crc[30] ^ data ^ crc[0];

101:AS

new_crc[15] = crc[16] ^ data ^ crc[0];

90:AS

new_crc[4] = crc[5];

108:AS

new_crc[22] = crc[23];

125:IF

126:NS

crc[31:0] <= new_crc;

enable

127:IF

!(enable)

Leaf_119:AL

128:NS
crc[31:0] <= { 1'b0, crc[31:1] };

shift

122:NS
crc[31:0] <= 32'hffffffff;

86:AS

new_crc[0] = crc[1];

114:AS

new_crc[28] = crc[29];

109:AS

new_crc[23] = crc[24] ^ data ^ crc[0];

106:AS

new_crc[20] = crc[21] ^ data ^ crc[0];

98:AS

new_crc[12] = crc[13];

89:AS

new_crc[3] = crc[4];

117:AS

new_crc[31] = data ^ crc[0];

111:AS

new_crc[25] = crc[26];

134:AS

serial_out = crc[0];

105:AS

new_crc[19] = crc[20] ^ data ^ crc[0];

95:AS

new_crc[9] = crc[10] ^ data ^ crc[0];

99:AS

new_crc[13] = crc[14];

103:AS

new_crc[17] = crc[18];

96:AS

new_crc[10] = crc[11];

116:AS

new_crc[30] = crc[31] ^ data ^ crc[0];

87:AS

new_crc[1] = crc[2];

88:AS

new_crc[2] = crc[3];

133:AS
crc_out = crc;

93:AS

new_crc[7] = crc[8];

102:AS

new_crc[16] = crc[17];

92:AS

new_crc[6] = crc[7];

113:AS

new_crc[27] = crc[28] ^ data ^ crc[0];

94:AS

new_crc[8] = crc[9] ^ data ^ crc[0];

100:AS

new_crc[14] = crc[15];

112:AS

new_crc[26] = crc[27] ^ data ^ crc[0];

110:AS

new_crc[24] = crc[25] ^ data ^ crc[0];

107:AS

new_crc[21] = crc[22] ^ data ^ crc[0];

97:AS

new_crc[11] = crc[12];

121:IF

rst

123:IF

!(rst)

!(clr)

124:NS
crc[31:0] <= 32'hffffffff;

clr