

= - B is pre definite

$$- \cancel{2(s-t)^2} B$$

$$+ (s-t)^2 B + (s-r)^2 D + (r-t)^2 C$$

$$- (r-t)^2 C - (s-r)^2 D + (s-t)^2 B$$

$$= 2(s-t)^2 B - 2(r-t)^2 C - 2(s-r)^2 D$$

Do the 3rd moment in ID.

should be -B?

Then ~~2B~~ - B, -C, -D are pre definite

so then $\det \geq (s-t)^2 \det(B) + (r-t)^2 \det(C) + (s-r)^2 \det(D)$

these are pre definite matrices