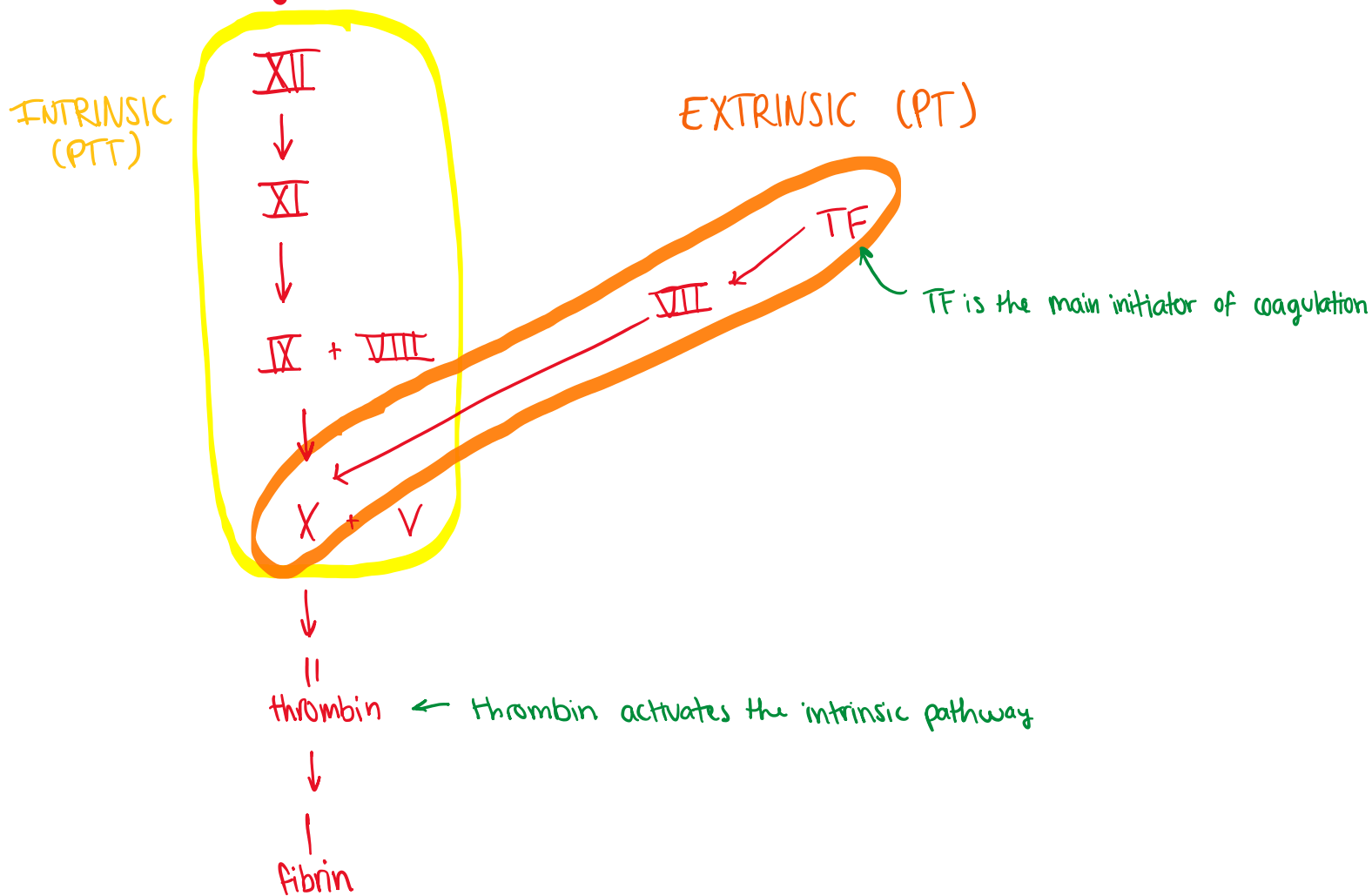


# COAGULATION

## Clotting Cascade



\* Vit K factors = 2, 7, 9, 10

Hemophilia A = factor 8 defect  
Hemophilia B = factor 9 defect

## Primary Homeostasis

↳ vessel, platelets, VWF (important for platelet adhesion), endothelium

## Secondary Homeostasis

↳ coagulation and anticoagulant factors

## Fibrinolysis

↳ plasmin activation and fibrin dissolution

- \* tissue plasminogen → plasmin → breaks up fibrin
- \* proteins C and S and anticoagulants - inhibit factors Va and VIIIa → induction of fibrinolysis
- \* antithrombin is the main thing that stops coagulation
- \* FFP = fibrin degradation product
- DDimers = breakdown product from breakdown of clots
- \* thrombomodulin = anticoagulant