Given : maturity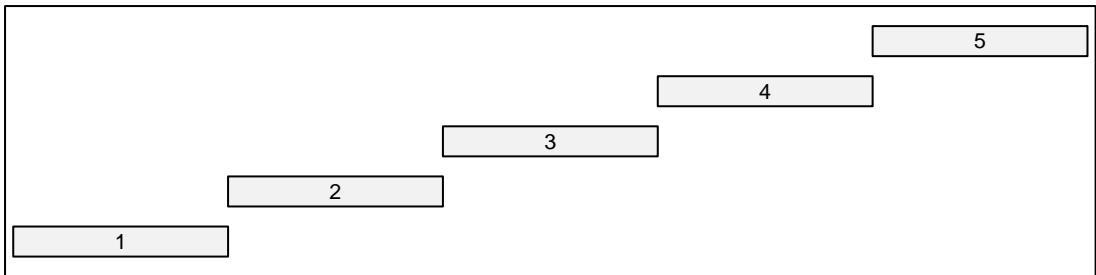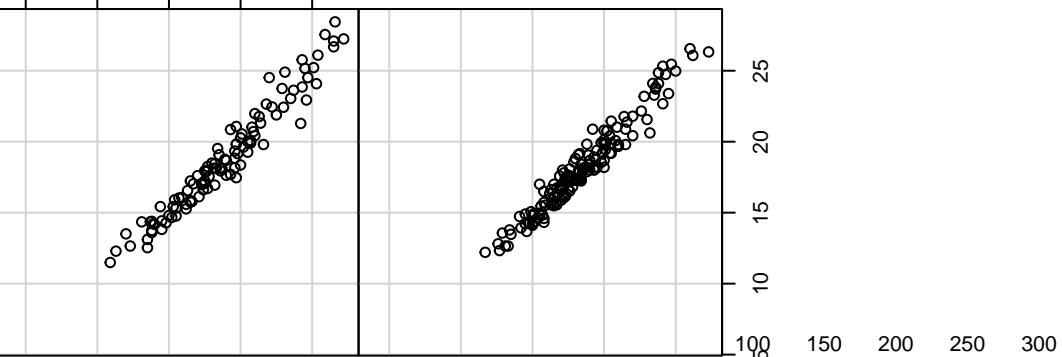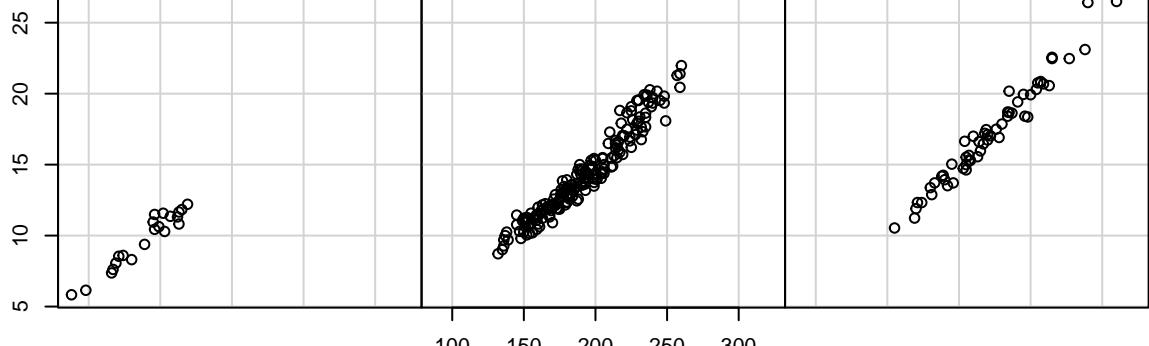_f