Stolemy's Theorem 1. Rotate briangle DACD around verkex A clock-veise such that D, A, B become on one line 2. Multiply AABC on (c) and AACD on (b) (homothely centre is vertex A). AB'C'~ DABC, DAED~ DACD. L'ADC+LABC= JADC+LABC= ST Hence B'C' [] D C B'C' = DC = bc. ⇒ B'C'ED is parallelogram CAC=II-LCAD-LCAB= = II - LCAD-< BAC = < BCD. Hence DC'AE A DCDA (C'A=ec, CA=eb, ZC'AC=ZDCB) c'E=ef In perallelogram DB = C'C => ac+db=ef This proof I heard from anna Felikson Thank you, anna 21 1 2015 Tcygll