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1. a Fram class... free surface. dhs - KELRS + K.Rs* - Kels + Vs band des Kells - Krls - Krls - Kels (2) nternal: dki Kek; +Kek; -Koak; (3) RT = Ri +R* when recycled, both have kree wy recycling... Free surface: des = - KELRS + KYRS* - KERS + VS + KYCCR; (4) vocaptor: dt = KELRS -KVRs* -KERS +KrecR; (5) free endosme dR: = KeRs - KdegR: - Kreck: 165 bound indosome. dR. YERS-Kaigki - Krecki Total [R:]: @ S.S. (4) 0 = -KELRS + KYRS* - KERS + V, + KYCR; [KIL+Ke] RS=Kr Rs*+Vs +Kreck; Rs = KyRs + Vs + Krec Ri 0= KILR + Ke Rs = (Kx + Ke) Rs - Kreck; Rs = (Kx + Ke) Rs - Kreck; 1 (5) 5

Kr Rs + V3 + Krec R; (Krtke) Rs - Krec R; (KEL+Ke) (K+Ke) Rs - (KEL+Ke) Krec Rit = KELKrks + KELV, + KELKredi (Votal + 16 Kal + KeK, + KeKe*) Rs - 1 Kal + Ko Krack; *= Kalky Rs + KalVs + K (Ke Kel + Kek + Kek +) Rs = Kelly + [Kel+ke Kuck + Kelkuck] July 160 (Ke* + Kekr + Kele*) R* = Vs + (I + Ke) Kreck; + Kreck; Vet Kekr + Keker West Kekr + Keker + Keker Vet Kekr + Keker Vet let Kss = Ke*K& Ke(Kx+Ke*) Rs = Vs VssL + Kss Ke) Kreek; KssL Kreek; R\$ = (Vs) Kssl + Krec Kssl(R; *+R;) + Kssle R; *

Kssl+1 Ket Kssl+1 2 (255, (7) 6 = Ke Rs - Kdeg R. + - Krecki (9) R; * = K, * Rs*

(rdeg + trec) simplification. -

expression for total concentration of active veceptor (9) R = Ke R S 4 4 -R== Rs + R* 4 ---> to get maximum total concentration of active vecepter, Kss L = (ranges 0 to 1) : L should be very 1 large so when I is large. **a** 999 RY = KICKT R'S = VS + KYEC RIT Let (Karot Kare) (Vs + Kreek?) By including the very ling process, the surface receptor balance equations now very an internal religious as well. So, the maximum concentration receptors and the Kree term. More specifically, kee act as it it is a resistor in seves with regulation than is parallel to ke juithen the first. A quantity representing resistance to reaching RT, may. Then

the second grantity is just the synthesis 's