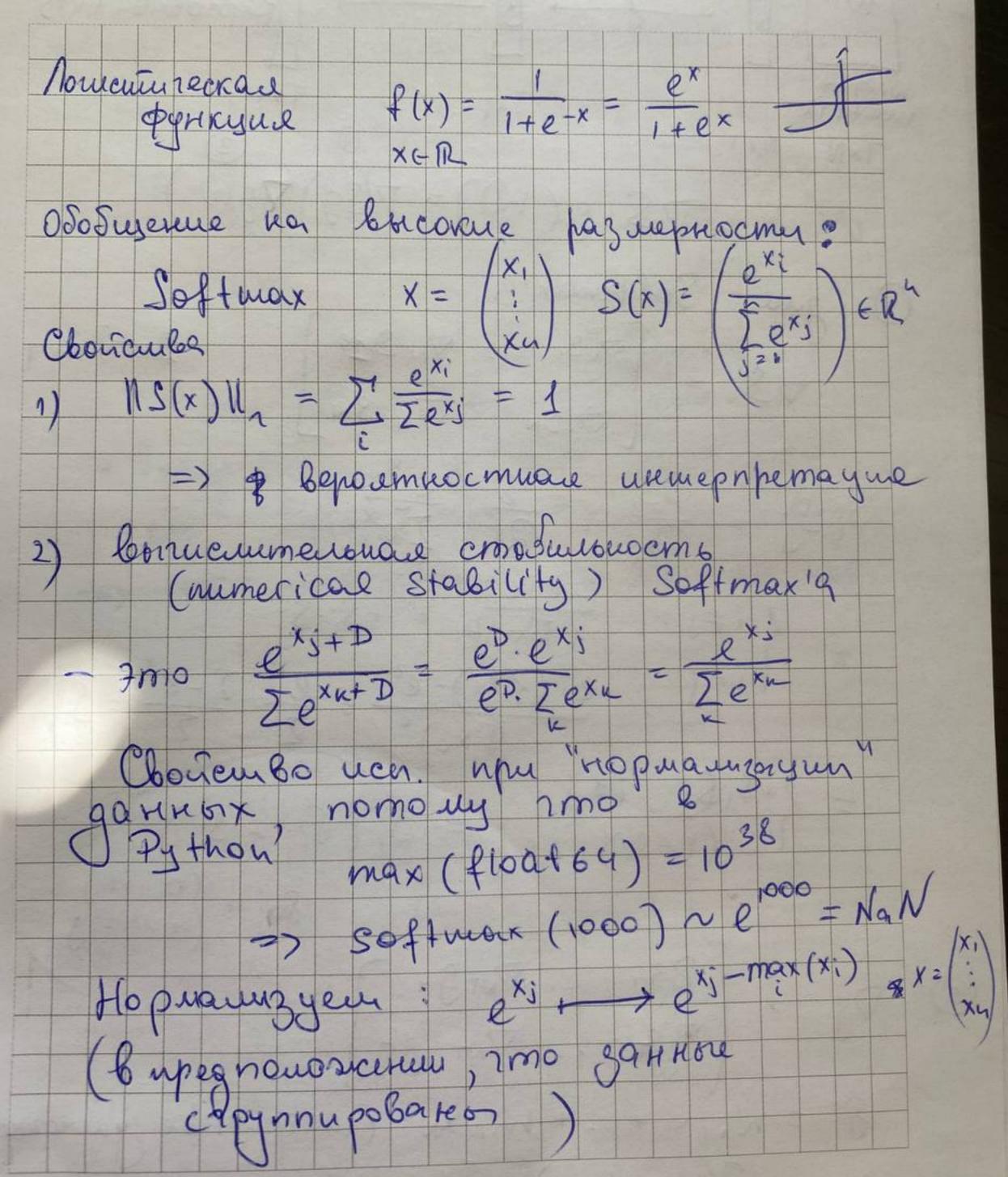
## Kilum:e





Borneuerne rpagneums (cuomnon degun) W Software probability weight mostrix TXN NXI 75(g(W))=7(Sg)(2gW) (1) gue Softwaxia

(7) Si ... 7N Sie

(7) SN (7N SN)

(7) SN (7N SN) SwoSuay  $\begin{array}{lll} \text{PiS}_{j} &=& \frac{\partial S_{j}}{\partial x_{i}} &=& \frac{\partial \left(\underbrace{e^{x_{j}}}{\sum_{e^{x_{k}}}^{e^{x_{k}}}}\right)}{\sum_{e^{x_{i}}}^{e^{x_{i}}} \underbrace{\sum_{e^{x_{i}}}^{e^{x_{i}}} \underbrace{\sum_{e^{x_{i}}}^{e^$  $= \begin{cases} -S_{i} S_{j} & i \neq j \\ S_{i} (S_{i} - S_{i}) \end{cases} = \begin{cases} S_{i} (S_{i} - S_{i}) \\ S_{i} (1 - S_{i}) \end{cases} = \begin{cases} S_{i} (S_{i} - S_{i}) \\ S_{i} (S_{i} - S_{i}) \end{cases}$ Sij 2 (0 i#j (2) Dg = | Pigr... Trut gr] g: 2 Wilx1 +... + WINXN (marpurnose yunoneemu) Dij & gt = 2(Winx,+111) = [xi, i=t]

