2.9. The change induced on Lagrangian is.

レタレナタマイ・ジナターナター

DL= 9 [7 ~ (F, +) · i + - ~ +]

□L=9[=+(ライ·ド]-=+(ライ)·ドナー」

=9[計[节十七月]- 計(分十)。产、

The first term induces no change on the equation bequise it is the time derivative of arhitrary function over coordinates already obeying the old Lagrangian (problem 1.8). So it's sufficent to consider the second term only.

Redefine OL = d (PT) . F

dx &L= まして(デナ)] デナまです)・ア, dx &L=0.

Thus the egm would be unaffected of 4 sheys

[专表(京个)·广·元·一0.