



2019 2020

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Hfi ghYX 7 =:

H\Y B G: 7mVYfgYW f]hm 7YbhYf cZ 9I WY ``Yb WY

WY ``Yb WY



WY ``Yb WY

K \ Uh]g 7 mVYf]bZfUghfi Whi fY (7 =) ?

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7 mV YfgYW f]hmHfUb g]h]c b hc DfUWh]WY (HHD)

7 mV YfgYW f]hm HHD Gi WWW gg Ghc f]Yg

WWW WWW



HHD HYW\ b]WU` F YUX]bYgg @Yj Y` (HF @)
5ggYgga Ybh Hcc`

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HF @ 9I d`U]b YX

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HHD UXUdhUh]cbg Zfca h\Y gci fWY
a UhYf]U` : XYZ]b]h]cbg

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HF @ K cf_g\YYh:
Gi VgmghYa g UbX 7ca dcbYbhg

HHD HF @K cf_g\YYh9I Ua d`Y: K YV
=bhYfZUWY Gi VgmghYa

2019 2020



HHD 7Ubj Ug - HYa d`UhY

1 FYgYUfW dfcV`Ya

2019 2020



HHD 7Ubj Ug - :]`YX]b Zcf 5GG9FH

1 Research problem



B G: 7mVYfgYW f]hmGi a a]h

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A c b h \ ` m K Y V] b U f g

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GhUm]b [7 c b b Y W h Y X k] h \ H f i g h Y X 7 =

5 W_bck `YX[a Yb hg

2019 2020

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