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Algorithm 1: Handover adaption
for i \leftarrow 1 to length(trajectory) do Adaption loop
    allowedSpeed;-MaxSpeed(trajectorv[i]):
    c=trajectory[i];
    p=trajectory[i-1];
    n=trajectorv[i+1]:
    /*speed overrun*/
    if Speed(c) > 1.7*allowedSpeed then
        cDist=Distance(c);
        pDist=Distance(p);
        nDist=Distance(n):
        nominalDist=allowedSpeed*Duration(c);
        SetSpeed(c.allowedSpeed):
        if p==NULL\&\&n!=NULL then
            pDist=pDist+(cDist-nominalDist);
            SetSpeed(prev,pDist/Duration(p));
        else if p!=NULL\&\&p!=NULL then
            nDist=nDist+(cDist-nominalDist);
            SetSpeed(n,nDist/Duration(n));
        else
            nTempDist=nDist+(cDist-
            nominalDist)/2;
            pTempDist=pDist+(cDist-
            nominalDist)/2: if
            nTempDist/Duration(n) \gg nominalSpeed
            then
                nTempDist=nDist:
                pTempDist=pDist+(cDist-
                nominalDist)
            else if
            pTempDist/Duration(p) \gg nominalSpeed
            then
                nTempDist=nDist+(cDist-
                nominalDist);
                pTempDist=nDist;
            SetSpeed(n,nTempDist/Duration(n));
            SetSpeed(p,pTempDist/Duration(p));
```

end