

```
-- SETUP --
```

```
-- Administrator mints Ayllu tokens
```

```
callEndpoint @"mintAyllu" h1 $ MintParams
```

```
  { mpPKH      = pkh1
```

```
    , mpAmount = 1000
```

```
  }
```

```
void $ waitNSlots 1
```

```
-- Teacher mints "Teacher" tokens
```

```
callEndpoint @"mintTeacher" h2 $ MintParams
```

```
  { mpPKH      = pkh2
```

```
    , mpAmount = 300
```

```
  }
```

```
void $ waitNSlots 1
```

```
-- Enrollment NFT locket at Student's wallet
```

```
callEndpoint @"mintNFT" h3 $ NFTParams
```

```
  { npToken    = enrollmentTokenName
```

```
    , npAddress = mockWalletAddress w3
```

```
  }
```

```
void $ waitNSlots 1
```

```
-- Administrator transfers some Ayllu tokens to Vault 1
```

```
callEndpoint @"adminTransfer" h1 $ AdminParams
```

```
  { apTeacherPKH = pkh2
```

```
    , apAylluAmount = 50
```

```
  }
```

```
void $ waitNSlots 1
```

-- REWARD PROCESS --

```
Slot 00005: *** CONTRACT LOG: "administrator transfered 50 Ayllus to vault 1"
Slot 00005: SlotAdd Slot 6
Final balances
Wallet 7:
    {, ""}: 100000000
Wallet 8:
    {, ""}: 100000000
Wallet 6:
    {, ""}: 100000000
Wallet 4:
    {, ""}: 100000000
Wallet 2:
    {ff7c11c144651e5009bb7c0ab19e42a2ae4f50da67662f52bb68dd33, "TEACHER"}: 300
    {, ""}: 99726567
Wallet 1:
    {4712b0197998eb5f5eb1b9a1954cacd0ec19915456076e6bdd9e52b7, "AYLLU"}: 950
    {, ""}: 97541926
Wallet 10:
    {, ""}: 100000000
Wallet 9:
    {, ""}: 100000000
Wallet 3:
    {f45737c0c224119139989d07e7f0b7854bb9bc446b1ea1161de6e4, "ENROLLED"}: 1
    {, ""}: 99685580
Wallet 5:
    {, ""}: 100000000
Script 1ee2d46c96f78869fab32b81d287d4c95f845a376f5509e2a5aa5dec:
    {4712b0197998eb5f5eb1b9a1954cacd0ec19915456076e6bdd9e52b7, "AYLLU"}: 50
    {, ""}: 2000000
Prelude Trace> █
```

U:%*- nixshell Bot (8193,15) (Term: char run)

```
-- REWARD PROCESS --
```

```
-- Teacher awards 10 Ayllu's to Student  
callEndpoint @"reward" h2 $ TeacherParams  
  { tpStudentPKH = pkh3  
    , tpAdminPKH  = pkh1  
    , tpAylluAmount = 10  
  }  
void $ waitNSlots 2
```

```
Slot 00007: *** CONTRACT LOG: "sent Teacher Token to student's wallet"  
Slot 00007: SlotAdd Slot 8  
Final balances  
Wallet 7:  
  {, ""}: 100000000  
Wallet 8:  
  {, ""}: 100000000  
Wallet 6:  
  {, ""}: 100000000  
Wallet 4:  
  {, ""}: 100000000  
Wallet 2:  
  {ff7c11c144651e5009bb7c0ab19e42a2ae4f50da67662f52bb68dd33, "TEACHER"}: 299  
  {, ""}: 95269769  
Wallet 1:  
  {4712b0197998eb5f5eb1b9a1954cacd0ec19915456076e6bdd9e52b7, "AYLLU"}: 950  
  {, ""}: 97541926  
Wallet 10:  
  {, ""}: 100000000  
Wallet 9:  
  {, ""}: 100000000  
Wallet 3:  
  {ff7c11c144651e5009bb7c0ab19e42a2ae4f50da67662f52bb68dd33, "TEACHER"}: 1  
  {f45737c0c224119139989d07e7f0b7854bbeb9bc446b1ea1161de6e4, "ENROLLED"}: 1  
  {, ""}: 101685580  
Wallet 5:  
  {, ""}: 100000000  
Script 1ee2d46c96f78869fab32b81d287d4c95f845a376f5509e2a5aa5dec:  
  {4712b0197998eb5f5eb1b9a1954cacd0ec19915456076e6bdd9e52b7, "AYLLU"}: 40  
  {, ""}: 2000000  
Script 9e4928c370c2b43a31c1385ecbed67cfee200cc551b39d656013faef:  
  {4712b0197998eb5f5eb1b9a1954cacd0ec19915456076e6bdd9e52b7, "AYLLU"}: 10  
  {, ""}: 2000000  
Prelude Trace> █
```

```
U:%*- nixshell Bot (8193,15) (Term: char run)
```



```
-- REWARD PROCESS --
```

```
-- Teacher awards 10 Ayllu's to Student
```

```
callEndpoint @"reward" h2 $ TeacherParams
```

```
{ tpStudentPKH = pkh3  
  , tpAdminPKH   = pkh1  
  , tpAylluAmount = 10  
}
```

```
void $ waitNSlots 2
```

```
-- Student grabs all Ayllu rewards from Vault 2
```

```
callEndpoint @"retrieve" h3 $ RetrieveParams
```

```
{ rpAdminPKH = pkh1 }
```

```
void $ waitNSlots 1
```

```
Slot 00008: *** CONTRACT LOG: "retrieved Ayllu rewards"
```

```
Slot 00008: SlotAdd Slot 9
```

```
Final balances
```

```
Wallet 7:
```

```
{, "": 100000000
```

```
Wallet 8:
```

```
{, "": 100000000
```

```
Wallet 6:
```

```
{, "": 100000000
```

```
Wallet 4:
```

```
{, "": 100000000
```

```
Wallet 2:
```

```
{ff7c11c144651e5009bb7c0ab19e42a2ae4f50da67662f52bb68dd33, "TEACHER": 299
```

```
{, "": 95269769
```

```
Wallet 1:
```

```
{4712b0197998eb5f5eb1b9a1954cacd0ec19915456076e6bdd9e52b7, "AYLLU": 950
```

```
{, "": 97541926
```

```
Wallet 10:
```

```
{, "": 100000000
```

```
Wallet 9:
```

```
{, "": 100000000
```

```
Wallet 3:
```

```
{ff7c11c144651e5009bb7c0ab19e42a2ae4f50da67662f52bb68dd33, "TEACHER": 1
```

```
{f45737c0c224119139989d07e7f0b7854bb9bc446b1ea1161de6e4, "ENROLLED": 1
```

```
{4712b0197998eb5f5eb1b9a1954cacd0ec19915456076e6bdd9e52b7, "AYLLU": 10
```

```
{, "": 103352443
```

```
Wallet 5:
```

```
{, "": 100000000
```

```
Script 1ee2d46c96f78869fab32b81d287d4c95f845a376f5509e2a5aa5dec:
```

```
{4712b0197998eb5f5eb1b9a1954cacd0ec19915456076e6bdd9e52b7, "AYLLU": 40
```

```
{, "": 2000000
```

```
Prelude Trace> █
```

```
U:%*- nixshell
```

```
Bot (8193,15) (Term: char run)
```

```
-- REWARD PROCESS --
```

```
-- Teacher awards 10 Ayllu's to Student
```

```
callEndpoint @"reward" h2 $ TeacherParams
```

```
{ tpStudentPKH = pkh3  
  , tpAdminPKH  = pkh1  
  , tpAylluAmount = 10  
}
```

```
void $ waitNSlots 2
```

```
-- Teacher awards 25 extra Ayllu's to Student
```

```
callEndpoint @"reward" h2 $ TeacherParams
```

```
{ tpStudentPKH = pkh3  
  , tpAdminPKH  = pkh1  
  , tpAylluAmount = 25  
}
```

```
void $ waitNSlots 2
```

```
-- Student grabs all Ayllu rewards from Vault 2
```

```
callEndpoint @"retrieve" h3 $ RetrieveParams
```

```
{ rpAdminPKH = pkh1 }
```

```
void $ waitNSlots 1
```

```
Slot 00010: *** CONTRACT LOG: "retrieved Ayllu rewards"
```

```
Slot 00010: SlotAdd Slot 11
```

```
Final balances
```

```
Wallet 7:
```

```
{, ""}: 100000000
```

```
Wallet 8:
```

```
{, ""}: 100000000
```

```
Wallet 6:
```

```
{, ""}: 100000000
```

```
Wallet 4:
```

```
{, ""}: 100000000
```

```
Wallet 2:
```

```
{ff7c11c144651e5009bb7c0ab19e42a2ae4f50da67662f52bb68dd33, "TEACHER"}: 298  
{, ""}: 90812927
```

```
Wallet 1:
```

```
{4712b0197998eb5f5eb1b9a1954cacd0ec19915456076e6bdd9e52b7, "AYLLU"}: 950  
{, ""}: 97541926
```

```
Wallet 10:
```

```
{, ""}: 100000000
```

```
Wallet 9:
```

```
{, ""}: 100000000
```

```
Wallet 3:
```

```
{ff7c11c144651e5009bb7c0ab19e42a2ae4f50da67662f52bb68dd33, "TEACHER"}: 2  
{f45737c0c224119139989d07e7f0b7854bb9bc446b1ea1161de6e4, "ENROLLED"}: 1  
{4712b0197998eb5f5eb1b9a1954cacd0ec19915456076e6bdd9e52b7, "AYLLU"}: 35  
{, ""}: 107250591
```

```
Wallet 5:
```

```
{, ""}: 100000000
```

```
Script 1ee2d46c96f78869fab32b81d287d4c95f845a376f5509e2a5aa5dec:
```

```
{4712b0197998eb5f5eb1b9a1954cacd0ec19915456076e6bdd9e52b7, "AYLLU"}: 15  
{, ""}: 2000000
```

```
Prelude Trace> █
```

```
U:%*- nixshell
```

```
Bot (8193,15) (Term: char run)
```