```
-- 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 locked 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
```

```
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:
    {f45737c0c224119139989d07e7f0b7854bbeb9bc446b1ea1161de6e4, "ENROLLED"}: 1
    {, ""}: 99685580
Wallet 5:
    {, ""}: 100000000
Script 1ee2d46c96f78869fab32b81d287d4c95f845a376f5509e2a5aa5dec:
    {4712b0197998eb5f5eb1b9a1954cacd0ec19915456076e6bdd9e52b7, "AYLLU"}: 50
    {, ""}: 2000000
Prelude Trace> █
```

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

-- REWARD PROCESS --

```
-- 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
    {f45737c0c2241119139989d07e7f0b7854bbeb9bc446b1ea1161de6e4, "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
    {f45737c0c224119139989d07e7f0b7854bbeb9bc446b1ea1161de6e4, "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)
```