



CODE | PROGRAMMER  
*to* LEARN | *pour* APPRENDRE



**OZHITON**

ikidomazina'iganens!

*with*



***lynxcoding.club***

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**CODE***to*LEARN.ca

**TakingITGlobal**  
INSPIRE INFORM INVOLVE  
INSPIRER INFORMER ENGAGER

# EZHINAAGWAK

Gakina onji-gikendamowin



# GAA-GIKENDAMAN

## Ozhibii'aman ikidowin ge-izhichigemagak



**Abinoojiinyag (3 biinish 8 gaa-bimidoowaad)**

**oga-ozhitoonaawaan ikidomazina'iganens.**

owe izhichigewin daayaanichigaadewan ezhi-bakaan gegooyan:  
nookoomisimazina'igaans, omishoomisimazina'igaans,  
gimaamaanaan akimazina'igaans, geyaabi... Nashke owe  
aabadakookomisiimazina'igaans.

Abinoojiinyag oga-ozhibii'aanaawaa bizhiwibii'iganing

**lynxcodling.club**

Abinoojiinyag oga-ozhibii'aanaawaa:

- ozhitoon, giigidon, gaye dibaajimomagakoon
- ode'ibii'igan ozhitoon
- ani-daadookinan bakiiginiganan
- ozhitoon gaye enitaagwak
- ozhibii'an izhichigewinan
- gaa-niigani-gikendaasod
  - gagwjim ginagidenimaaganag
  - nakwetan odikidoowaniwan gaye
  - Enikgok agindan

**Mii omaa gwayakowichigewin**

Mii miinawaa gwayakowichigewinan

gidabinoojiyim



# GAGWE-GIKENDAMOWINAN

abinoojiinyag oga-ani-gikendaanaawaan enaabadakin onowe...

## NIIBIWA IZHICHIGEWINAN IZHIBII'IGEWIN

	WAA-IZHICHIGEYAN	
CODE & CONCEPTS	<i>ikidon, miinawaa ikidon daanginan ji-agindamaagoyan</i>	<i>ezhinaagozid, eniginid, gibichiin, bagidinan (Manage object characteristics) gashkijigewinan</i>
	<i>gaagigebatoon ayaanji-izhise</i>	<i>mazina'igan doodaman, maajiichigan, izhichigewin Objects for controlling program Gaa-maagonigaadeg ganawendaman gidishichigewinan</i>
	<i>Enitaagwakin eni-atooyan</i>	<i>maajitoon izhichigewin aanjitooyan enwegin</i>



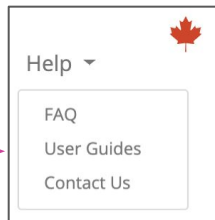
# MAAJITAAWIN

ozhitooyan gibishiwibii'igan gaye ge-izhi-nisidotaman



# Odinan Bizhiwibii'igan

Ezhichigemagak  
lynxcoding.club



ondinan:

- gikinoo'amaagewaad **odaa-ozhitoonaawaa waa-izhi-ganawendamowaad bizhiwibii'igeng**
- **Abinoojiinyag oga-ayaanaawaa obizhiwibii'iganiwaan**
- Gikinoo'amaagewaad odaa-ozhitoonaawaa mechaag ge-izhi-maamawi-biindigebii'igeng

## GIISHPIN AYAASIWAN

Gidaa-gojitoon bizhiwibii'igan, **gidaamaagonaan** bizhiwibii'igan **lynxcoding.club**

## AKAWE gojichigewin

Ji-mikaman ge-izhi-daangibii'an (Na'iwinkaaning gaa-ozhibii'igaadeg daanginan ji-biinjibii'ogooyan).

## EZHI-BEZHIGWANG bizhiwibii'igeng

Gaagiigojitooyaan mii awe waakanawendamaan

## GIKINOO'AMAAGEWAAD gaa-ayaawaad

Gaagiigojitooyaan mii awe gikinoo'amaagewaad gaa-ayaawaad

**Bizhiwibii'iganan michi-miinindim Miigwech owe gaa-zhaaganaashi-ogimaa.**

# Layout

Maada'ookiiwin

Ganawendan

Geyaabi  
wezhichigaade

Anokiiwinan

Izhichigewin

Mazina'igaans

Anokiiwimitig

Waa-gikendaman

Nindanokiiwinan

Dibaadodan

Wiidookaagewin



mazina'iganizhichigewin

mazinaakizonens

HELP!

Wiindan

Miskwaadesi

Endananokiing  
(Mazina'igan)

Endazhi-  
dibaadodang

# ABINOOJINYAG GE-IZHICHIGEWAAD

Manginaagwad izhichigewin!

GANAAANWENDAN  
apane!

1. *Biindigebii'igeng* gaye baakinan  
ozhitoon okoomisiimazina'igaans.  
Gaagiigidowinan

2. *Odaanaang* ezhinaagwak

3. Ozhitoon *dibaajimomagak*.

4. *Oshki-mazina'igan*

5. *Ozhi' zagaako'on* ge-daaginand.

6. Ozhibidoon *ge-inweg* gaye 'ena'angode'!

7. Nawaj *izhichigewin, inwewin, and  
mazinaakizonens*.

7. *Maada'ookiin* miziwe.





# Biindigebii'igen gaye maajitaawin!

Biindigebii'igeng, bakinan ookimisiimazina'igaans izhi-ganawendaman  
gegoo WIINDAN gaye GANAWENDAN



# START IN THE RIGHT PLACE!

## Go to the Templates Folder

1. *Biindigebii'igen*

2. *Izhaan Gakina izhichigewin gaye baakinan waa-dazhi-izhichigeyan*

3. *Baakinan ookomisimazina'igaans. Daanginan Aanjitoon.*

4. *Wiindan waa-izhinikaadaman e.g., mazina'igaans*

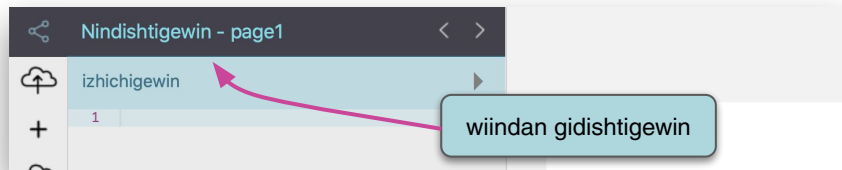
5. *Gananwendan Daanginan omaa.*



### Mazinaakizonens



Giishpin baakinanaman Mazinaakizonens, mii imaa ji-waabandaman gaa-gii-ozhitamaagooyang. Bizaan igo geyaabi aanind gidaa-ozhitoonan!



# OZHITON GE-IZHINAAGWAK ODAANAAG

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Aabaji' miskwaadesi ge-izhinaagwak odaanaang



# OZHICHIGAADEG ODAANAANG

## Aabajtoon 'ezhinaagozid' & 'Eniginid' & 'gibichiin'

1. Daanginan + gaye onenim  
miskwaadesi *ge-anookaadang*

2. Onaabandang enaakideg  
menwendamang. Minjimendan  
*gikinoowaajibii'igan*



3. Endazhi-dibaadodaning:  
*ezhinaagozid 7* aabajtoon *gikinoowaajibii'igan*.  
Press Enter. Daanginan Enter mii dash miskwaadesi *ge-izhinaagozid*.

4. Ji-ozhi'ad *ge-iniginid Type* ozhibii'an :  
*setsize 55* aabajtoon *ezhinaagozid ezhinaagozid 55*  
Mii owe *michaag*. Mii *inigokwaa 40*.

### 5. Endazhi-dibaadodan ozhibii'an:

*gibichiin "t1*

*Daanginan enter.*

*Mii dash omaa ge-danabid gaawiin damaajiishkaasii*

*Miinawaa ji-maajiishkaad miskwaadesi, daanginan:*

*bagidinan "t1*

Mii dash iwe izhinaazod t1

Ji-waabandaman miskwaadesi-izhinikaazod. Naiwinikaaning  
daangibii'igan miskwaadesi ogijaya'iimagak.

wiinzowin

t1

Ji-aanji'ad geget igo ezhinaagozipan, ozhibii'an owe  
command centertype this in the Command Centre:

**ezhinaagozid 0**

**0.**

0 mii awe miskaadesi ogikinoowaajibii'igan.

# DIBAAJIMOMAGAKIN

Ozhitoon, Maajiishkaa, Aanji'iganid, Ji-naagozid, Gaazod, Gaasiibiiwind



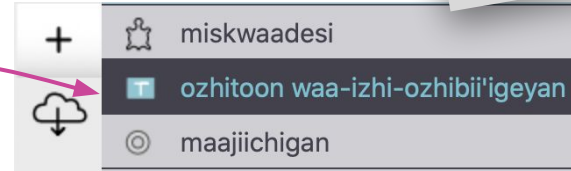
# OZHITON DIBAAJIMOMAGAKIN

## Ozhitoon gaye wiindan gidibaajimomagakin

Ganawendan!

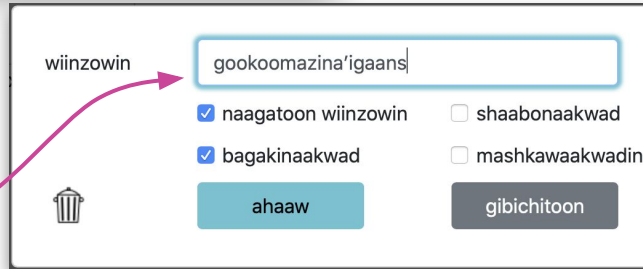
### 1. Daangibii'an + onaabandan *ezhibii'igaadeg.*

Oshki-textbox ezhinaadeg text1 iwe gaa-naagwad gimazinaatebii'iganing



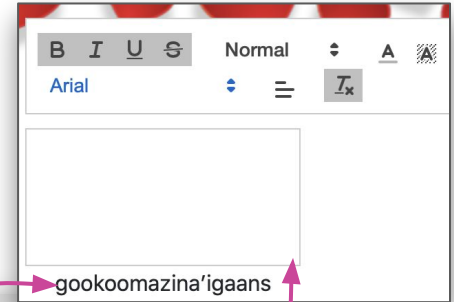
### 2. Na'iiwinikaanwibii'igen.

Naagwad giigidomagak



### 3. Ozhibii'an wiinzowin

*gookoomazina'igaans.*



### 4. Daanginan *doodan*

**Aanjibidoon textbox.** Daanginan ezhinikaadeg aanjibidoon.

**Miinawaa inigokwaa:** naazhaaya'ii ipidoon gaa-izhi-zhaagawaag da-naagwad aanjibinad waawaabiganoojiinkaan.

**Aaniin gwayak ge-izhichigeyan:** daanginan biinji-textbox-maagizhaa onaabandan- daanginan ge-izhichigeyan ogijaya'ii makakoosung



# MAAGIZHAA MII AWE GE-IZHINAAGWAK GAA-DAZHIIGAMAN!

Mii dash ji-gikendaman miinawaa ge-izhichigeyan!

## 1. Izhi-aanjibidoon gaa-misendaman



giga-waabandaan:

- Nawaj ningii-izhitoon textbox  
ji-michaag
- Naawaya'ii ningii-ipidoon  
mazina'iganing



# ENAABAKIN DIBAAJIMOMAGAKIN

Ganawendan!

## Naagwad, Gaazowin gaye Angonaagwak Dibaajimomagakin

### 1. Na'iiwinaaking daanginan dibaajimomagak miinawaa. Dibaajiomakak naagwad.

Giwaabandaanan izhichigewinan. Gidaa-gojitoonan gaa-gii-taaginaman **waa-izhichigeyan**

**Nashke:** ikidowin **angobidooyan** gegoo maanendangen! Owe wezhibii'igen endazhi-dibaadodang: **naagotoon ozhibii'iganan** Miinawaa naagwad dibaajimomakak. Bezhig dibaajimomakak giga-wiindaan ezhinikaadeg: **Ookomisiimazina'igaans**, naagotoon **ozhibii'iganan**

Aabajitooon wiinzowin da-naagwad ishkwebii'igan, mii owe bezhig eta wenji-aabadak ikidowin (gaawiin ingoji) ge-atooyan ikidowinan mii owe dibaajimomakak ge-bizindaagooyan ekidoyan.


**Gaazomakakoons** bakaan izhichigemagak. gaazomakakoons

### 2. Daangibii'an zhaabwaatemakak.

### 3. Daanginan izhichigewin.

wiinzowin

naagotoon wiinzowin  shaabonaakwad  
 bagakinaakwad  mashkawaakwadin



Daanginan gaasiibii'ige daa-angonaagwad.

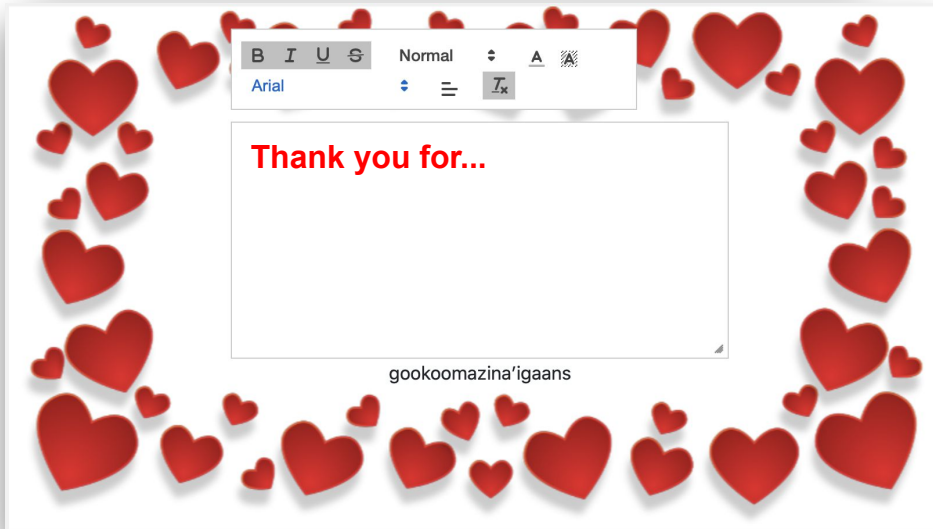




# NAWAJ ATOON GIDIKIDOWIN!

Biinjibii'an gaye aanjibii'an.

## 1. Ozhibii'an gookoomisiimazina'igaans dibaajimomakakong



## 2. Aanjibii'an ozhibii'iganan gaa-aabadakin.

**Nashke:** gaawin nagwaasinoon biinjibii'iganan gidineniminaaban waabandaman gaa-izhitooyaan ! :-)

**Gaa-waabanjigaadeg.** Ningii-daaginaan na'iinikaaning dibaajimomakak and gaawin daanginanziin

A screenshot of a search form. The search bar contains the text "gookoomazina'igaans". Below the search bar, there are four checkboxes: "naagatoon wiinzowin" (checked), "bagakinaakwad" (checked), "shaabonaakwad" (unchecked), and "mashkawaakwad" (unchecked). There are two buttons: "ahaaw" (light blue) and "gibichitoon" (dark grey). A trash icon is visible on the left. A pink arrow points from the text "gaa-izhitooyaan" in the previous block to the search bar.



# BAABAAKII'IGANAN

Nawaj Atoon Gaye Gaanaagajitoon Gimazina'igaansan.



# MIINAWAA GEYAABI ATOON BAAKIIGNIGAN

...miinawaa ge-oshki-izhinaagwad odaanaang

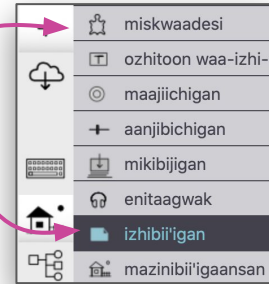
Ganawendan

1. Daanginan + onaabandan **Mazina'igan**.  
Eko-niizh baakiiginan da-naagwad.

2. Daanginan + gaye ozhibizh **Miskwaadesi**  
A turtle appears. Miskwaadesi da-naagozi.

3. Ozhichigaadeg odaanaag (daabishkoo)  
gaa-izhinaakwad 12.

**Minjimendan: Gii-gibichii'ad** miskwaadesi, minjimendan gaa-izhinikaanad (mazina'igaans ashi-niish). Maagizhaa **t2** noongom. Na'iiwinikaan daanginan miskwaadesi gaye **andwaabikibidoon** ezhinikaazod ogii-dibaajimomakak (Gemaa gaye waabandan gibjiimakak gaa-gii-izhi-gibichiid miskwaadesi).



wiinzowin	t2		
eko-naagwak x	0	eko-naagwak y	0
glizhitooyaan ninga-daanginaan	-		
bezhig miinawaa daanginag miskwaadesi	-		
daanginan dibaajimowin	-		
dakokaadamaan enaandeg	-		
<input checked="" type="checkbox"/> bagakinaakwad	<input checked="" type="checkbox"/> mashkawaakwad		
ahaaw	gibichitoon		

**gikendamowin:**  
angobidoon **niizh**  
gaa-izhinaagwak.

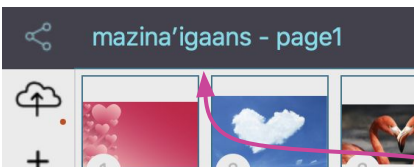
...Ozhitoon  
**eko-niizhibii'igan**  
gego wiindangen!



# NAANAAGADAWAABANDAN BAAKIIGINIGANAN

## Ozhibii'an waa-izhichigeyan

Ganawendan!



1. Daanginan na'iiwinikaaning **bezhiq ezhibii'igaadeg**. Mii omaa ayaayan bezhiq ezhibii'igaadeg .

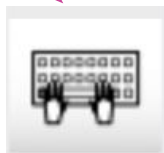
2. Ozhibii'an eko-niizhibii'igaadeg endazhi-dibaadodang. Mii omaa ayaayan eko-niizhibii'igaadeg.

3. Daanginan izhichigewin

Ozhibii'an:

1 - to gopage1  
2 page1  
3 end

izhaan eko-bizhiq ezhibii'igaadeg gibichise,  
mazina'igan1 mii'i



Niiwewanigadoon ge-aanjibijigemagakin:

1. Daanginan na'iiwinikaaning bezhiq ezhibii'igaadeg
2. **Ozhibii'an gikinoowaajibii'igan#**  
endazhi-dibaadodang (# ezhibii'igaadeg)
3. Ozhibii'an izhichigewin
4. Ozhibidoon daanginigan

**TIPS: Gikendamowinan**

- Anokiiwin izhinikaade **bezhiq** eta go.
- Oga-nisidotaan bizhiwibii'igan OWE ANOKIWIN
- Anokiiwin maajise: **gii-wiindamawad** ge-izhichiged mii i giizhiitaad **ishkwebii'igese**.



# NAANAAGAJITON (continued, geyaabi)

## Ozhibidoon Dookiniganan

### 1. Daanginan + onaabandan dookinigan.

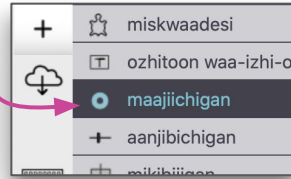
A button named 'nothing' appears- dookinigan 'gaawiin gegoo' izhinikaatesinooon gaa-naagwak

### 2. Na'iiwinikaaning godaaginigan.

3. Endazhi-anokiing, ozhibii'an gegoo. *izhaan eko-bezhig ezhibii'igaadeg.*

4. Daanginan *daanginiganing* dabinaazhikaawan izhichigewinan.

5. Daanginan *izhaanmazina'igan1* (izhichigewin izhinikaade).Daanginan bezhigezhibii'igaadeg (anokiiwin ezhinikaadeg



izhaan ek

6. Daanginan maajitaawin.

7. Aanjibidoon dookinigan ge-inigokwaag na'iiwinikaaning naazhi'aya'ii.

8. Dibi go ezhi-minwendaman ipidoon dookinigan.

9. miinawaa izhichigen,onji-maajitaan 20 gikinoowaajibii'iganing 2 mazina'igan.



# EZHINAAGWAK GAYE ENITAAGWAK

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Ozhibidoon Ode'bunga'ang Gaye Enitaagwak



# OZHIBIDON GAA-BANGA'ANG!



## Aabajitoon eniginid, gaagigebidoon, gaye gibichii' miskaadesi

### 1. izhaan eko-niizhobii'igan

Daanginan + gaye odaapin *Miskwaadesi*.

### 2. Na'iiwinikaaning daanginan miskwaadesi gaye

*ode'* izhinikaazh. Daanginan maajitaawin.

### 3. Baakinan *Mazinaakizonens*.



### 4. Badagonan ode'bii'igan da-naagwad gikinoowaajibii'igan.

### 5. Ozhibii'an endazhi-dibaadodan:

*ode'*, *ezhinaagozid 14* (wegodwen igo gikinoowaajibii'igan)

### 6. Ozhibii'an Endazhi-dibaadodang)

*gaagigebidoon [eniginid 10 gibichii' miskaadesi 4 eniginid 20 gibichii' miskaadesi4]*

Aanjibidoon ge-inigokwaagin ge-izhi-minwendaman!

wiinzowin	<input type="text" value="ode'"/>
eko-naagwak x	<input type="text" value="0"/>
giizhitooyaan ninga-daanginaan	<input type="text" value="-"/>

**Minjimendan:** gagakibii'iganan daa-ayaabadadoon. Besho (biindigebii'igan) .

### Gakina gibichiitoo!



Daanginan owe izhichigewin izhi-nisawaya'ii endazhi-dibaadodang gemaa gaye izhibii'igen **gaa-gibichiitoodgakina**



# ATOON ENITAAGWAK

## Bizindan ninde'!

1. Daanginan + gaye onendan **enitaagwak**.

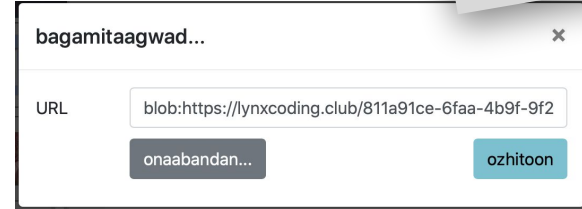
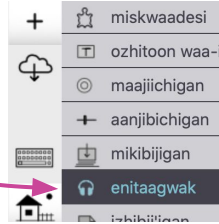
2. **Odaapinan** .wavfile (imaa bizhiwibii'iganing).

3. Daanginan **ozhibidoon**.

4. Aanjibidoon enitaagwak daanginigan ezhi-ando-wendaman.

5. Endazhi-dibaadodangong ozhibii'an: Maajitaan (ode' ena'ang) Ipizh gaagigebidoon[eniginid 10 gibichii' miskwaadesi 4 eniginiid 20 gibichii' miskwaadesi 4] bezhibii'igan daanginan biindigebii'igan.

**Minjimendan:** gaadoon enitaagwak **gide'** na'iiwinikaaning maagonigan miinawaa gaasiibidooyang. **Naagwatoon** miinawaa ozhibii'aman: **ozhitoon ode'banga'ang "naagatoon"?** debwewin



Ganawendan!

6. Minik waapii'oyan **gibichii' miskwaadesi** (mii imaa 23 bii'iganan) gaye enitaagwakin.

Heartbeat.wav files

<https://www.soundjay.com/heartbeat-sound-effect.html>

**Minjimendan:** wiindan .wavfile jibwaa-aabajitooyan. **Ode' banga'ang** niin ninizhinikaadaan





# ANOKIIWIN GAYE MAZINA AKIZONENS

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Ozhibi'an Gidishtigewin



# OZHIBIDOO ANOKIIWIN

## Wiindamaw izhichigewin!

Ganawendan!

1. Daanginan izhichigewin.

2. Ozhibii'an:

ji-banga'ang

eko-niizhobii'igan

ode', gaagigebidoon [eniginid 10 gibichii' miskwaadesi 5 eniginid 20 gibichii' miskwaadesi 5]

maajiishkaa [ode'banga'ang]

mii' i

3. Ozhibii'an **banga'ang** endazhi-dibaadodang gemaa gaye ozhibizh ekidod "daanginishin" gaye odaapinan **banga'ang dookinigan**.

**Minjimendan:**

•Daangin bizhiwibii'igan ji-izhaamagak **eko-niizhobii'iganing**

•Ozhibidoon **ode'** jibwaa-**gaagigebidoon**, ji-gikendaman gaa-noondaman **ode'** miskwaadesi Giishpin izhichigesivan, **ishkwaaj** miskwaadesi gaa-gii-ganoonad daa-izhichiged. Maagizhaa mii awe miskaadesi gaa-gii-aabaji'ad odaanaag ezhinaagwak eko-bezhig-bii'igan

**HOWA! GIMINOCHIGE! :>)**



# OZHIBIDON INWEWIN!

## ozhitoon mazina'igaans aabajitoon ikidon gaye apiichi-ikidon

Ganawendan!

1. izhaan eko-bezhig bii'igaade.

2. Ozhibii'an **ookoomisimazina'igan** endazhi-dibaadodang. Mii iwe dibaajimomagak ezhibii'igaade biinjibii'iganing "ookoomisimazina'igan".

3. Ozhibii'an **apiichi-ikidon "ookoomis"**

4. Ozhibidoon **agindaasowibii'igan** izhichigewin.

5. Ozhibidoon daanginigan ikidomagak "ganoonishin" daanginan **agindaason** imaa daangagindaasowibii'iganiniganing.

*Mii owe biinji-bizhiwibii'iganing gaa-giigidomagak*

*Giishpin ayaayan mishiiminaazhawaatebii'igan, izhaan system preferences, daanginan accessibility gaye ozhibidoon gayaagiigidomagak. Giga-waabandaanan enitaagwakin geyaabajitooyan.*

- to read  
page1  
sayas Mother "Moira"  
end



# MAZINAAKIZONENS (giin igo)

## Ozhibidoon mazinaakizonens ookoomisimazina'igaans

Ozhibidoon gimazinaakizonens ezhi-bishishigwaag dazhi-mazinaakizonens. Izhaan pix.com ge-ondiniman izhichigewinan. Aabajitoon ookoomisiimazina'igaans GEMAA ozhitoon ookoomisimazinaakizon!

### NIIZHWEWAANGAD IZHICHIGEWIN

1. Naabidaawibidoon mazinakizonens daanginan endazhi-dibaadodang on mac gemaa ctrl-d iniwedi aanind aazhawaatebii'iganan.

2. Daanginan waakaa'igan ji-baakinaman mazinaakizonens.



3. Daanginan gaa-bizhishigwaag ji-naagwak ozhibii'igan +.

4. Aazhawebidoon gimazinaakizon imaa biinjibii'iganing. Daanginan c-v mac, gemaa crt-v aanind aazhawaatebii'iganan.

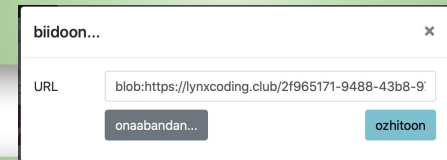


1. Daanginan waakaa'igan ji-baakinaman mazinaakizonens.



2. Daanginan makak gaye daanginan owe +.

3. Aabajatoon dibaajimomagak ji-mikaman mazinaakizonens gidaazhawaatebii'iganing.



4. Daanginan ozhitoowibii'igan.

Ozhibizh! ezhinaagozid oshki-miskwaadesi imaa gidoozhibii'iganing ezhi-minwendaman!

# Aazhawinimaagen gidishtigewin

## Izhinizha'amaw ginagadenimaagan gemaa ozhitoon ezhinaagwak ji-waabanjigaadeg!

1. Daanginan ge-onji-wiiji'iding.

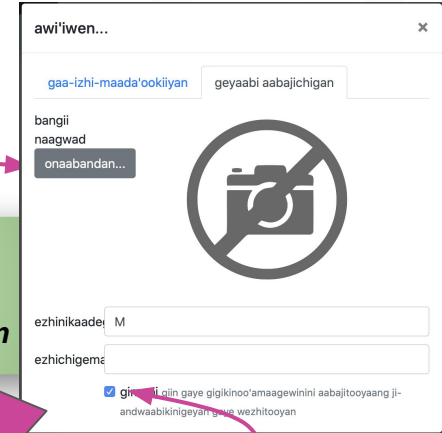
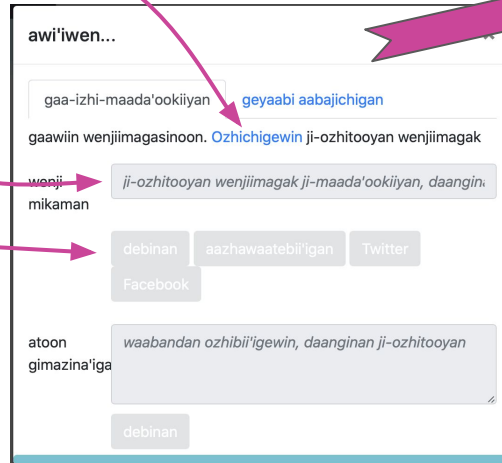
2. Daanginan ozhitoon.

3. Mii omaa endazhi-OZHICHIGAADEG .

4. Daanginan naabibii'igan gaye izhinazha'amaw ginagadenimaaganag.



5. Ozhibidoon Izhi-mazinaakizonens Ji-waabanjigaadeg gidishtigewin



6. Giga-bagidinaag ina ji-aanjitoowad bakaan ezhinaagwak gemaa gaye gaawiin!



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