

# ~A-fA~A, A-šA'A-~A-,A±

A<A°A,Axã«Š" A°A°€A-zA¥ A«AšZ~A-€ A«,A'A-zA¥ A°A,A°A«šA¥A-, A°A°€A-Aš,, A-zA-œA A~AxA"~A-†CA-AšA A->A¹  
A-A-sA©A"„A«A;œA°A·A,A«zA" A-z...A«^A«AxA. A·~A-Aš€A«AšCE, A«A°"A°A¹A¥ A-,A,A-fA°A³A¼A~ A-—A°A°A²A°A-€  
A-A'A«-A"~A°A¹CEA-s"?

A-A' Až~A-A'A-Aš€A«Š" A<A°A,Axã«A¥A¼ A-A¥A-fA·~A«Š" A-,œA«A¹,,A-sAxA, A°A,A°A-^A A~A¹A-€ A-  
'œA-AxA€A-œA¹¼A«A;œA~ A«A°A"~A«A A-—A°A°A²A°A~ A-s"~A·A½A-, A-œ,,A·A"~A-z...A«^A«AxA.A-A' A-  
ž~A-A'A-Aš€A«Š" <http://tiki.org/TikiPartner> A-™€ <http://tiki.org/TikiStandards> A«A¥A¼ A°AµA-A²A' (A~A¼A·A©) A·A  
A°A²fA-z...A«^A«AxA

A°A'€A«A A": A-sA'A-~ A-A²A'A-A œ A«...A«A!A½A-,A± A°A³A¼ A«A°A-A'A,,A° A«A²A A-A'A-sAxA A«...A«A!A½A-,A±.

## 1.1. A°AM A-A-,A± A-s" A-†C

A<A°A,AxãA°€ A-·,,A-AfA¼ A«AšZ~A-€ A°A,A°A«šA¥A«AxA-, A°AµA-A~,,A·~A°A³A A-z^A«^AxA°A³A A·A'A-,œ,  
A-—A-A°A,A°A-,œ A«A°œA«A...A~ A-Aš€ A-·šA-CE A-<A A«œA«A;A-A- A~A·~A-—A- A-œA«A-A«A!A°A«AxA«Š"  
A°A²fA-, A~A«A-A,A·~A-Aš€A«Š" A-·šA-sAµA«^A«AxA.

A<A°A,Axã«Š" A«AxA-CEA~ A°A²fA«AxA-— A~A-A;A'A·~A°A³A A-z^A-sAµA«^A«AxA:

- PHP A-sAxA A-A-A«A!A½A-CE... A-A,A-A'
- Smarty A...œA"CEA«A!A; A-—"A-Aš,,
- MySQL A«A°A-A'A,,A°A«A²A A-A'A-sAxA
- Zend Framework
- jQuery A-zA«A°"A-sAxA A-A-A«A!A½AšA, A«A¼A-A'A«A,CEA«YA-A«A!A-

## 1.2. Ă–,,œĂ«Ă¹,,Ă–šĂġĂ–Ă–Ă–Ă–Ă°Ă°Ă²Ă°

### 1.2.1. DIGG, TECHNORATI, DEL.ICIO.US Ă«Ă±Ă«”Ă±Ă°Ă³Ă¼ Ă°Ă°™Ă–€Ă–†œĂ–...œĂ«Ă¶Ă«Ăş^Ă–,Ă¹



### 1.2.2. SHELFARI

Ă°Ă•€Ă•~Ă–~ Shelfari Ă–Ă±...Ă–ŹĂŸĂ–,,Ă–œ,,Ă,Ăġ Ă”œĂ«ŸĂ–Ă°Ă•Ă,Ă–Ă,Ă–,,Ă†ĂµĂ•~Ă–Ă–Ă–Ă°Ă°ĂµĂ–œĂ•Ă•~Ă–Ă–Ă–œĂ–~Ăġ

[http://tiki.org/tiki-view\\_blog\\_post.php?blogId=26&postId=344](http://tiki.org/tiki-view_blog_post.php?blogId=26&postId=344)



### 1.2.3. LAST.FM

Ă–œ,,Ă,Ăġ Ă”œĂ«ŸĂ–Ă°Ă•Ă,Ă–Ă,Ă–,,Ă†ĂµĂ•~Ă–Ă–Ă– <http://last.fm> Ă–œĂ–•...Ă–,,Ă–ŹĂ–Ă–fĂ•~Ă–Ă–Ă–Ă–œĂ–~Ăġ.

[http://tiki.org/tiki-view\\_blog\\_post.php?blogId=26&postId=346](http://tiki.org/tiki-view_blog_post.php?blogId=26&postId=346)



### 1.2.4. Ă–šĂġĂ–Ă¹Ă’Ă–Ă’Ă”,,

Ă–šĂġĂ–Ă¹Ă’Ă–Ă’Ă”,,Ă”œĂ«ŸĂ–Ă°Ă•Ă,Ă–Ă,Ă–Ă–šĂġĂ–Ă¹Ă’Ă–Ă’Ă”,,Ă–,Ă–Ă–šĂ©Ă–ŹĂ–™€Ă†ĂµĂ™”Ă~Ă¹Ă–€Ă–Ă±,,Ă–œ...Ă–,,Ă•~Ă–Ă–Ă–œĂ–~Ăġ.Ă–Ă°Ă,Ă–Ă!Ă°: Skype





1.2.12.  $\tilde{a}\hat{M}\hat{a}\rightarrow\tilde{a}\hat{a}, \in \tilde{a}\rightarrow\hat{a}^1\tilde{a}\ll\hat{a};\text{œ}\tilde{a}\hat{a}\cdot\hat{a}, \tilde{a}\ll\hat{a}\uparrow,,\tilde{a}\neg,,$

$\tilde{a}\hat{\mu}\hat{a}\rightarrow\tilde{a}\hat{a}, \in \tilde{a}\rightarrow\hat{a}^1\tilde{a}\ll\hat{a};\text{œ}\tilde{a}\hat{a}\cdot\hat{a}, \tilde{a}\ll\hat{a}\uparrow,,\tilde{a}\neg,,$

1.2.13.  $\tilde{a}\hat{M}\hat{a}\rightarrow\tilde{a}\hat{a}, \in \tilde{a}\rightarrow\hat{a}^1 \tilde{a}\hat{\circ}\tilde{a}\hat{S}\hat{a},$

Google Web Fonts

1.2.14.  $\tilde{a}\hat{M}\hat{a}\rightarrow\tilde{a}\hat{a}, \in \tilde{a}\rightarrow\hat{a}^1\tilde{a}\neg,\hat{a}\rightarrow\tilde{a}\neg\hat{a}'\tilde{a}\hat{S}\hat{a}, \tilde{a}\ll\hat{a}^2\hat{a}\neg\text{—}\hat{a}\tilde{a}\hat{a},\hat{a}^\circ$

Google Website Translator

1.2.15.  $\tilde{a}\hat{Z}\sim\tilde{a}\neg\hat{a}'\tilde{a}\text{œ}$

$\tilde{a}\hat{Z}\sim\tilde{a}\neg\hat{a}'\tilde{a}\text{œ}$   $\tilde{a}\neg\text{—}\tilde{a}\neg,,\text{œ} \tilde{a}\neg\hat{a} \text{œ}\tilde{a}\hat{a}^3\hat{a}\mu\tilde{a}\cdot\sim\tilde{a}\ll\hat{S}$   $\tilde{a}\neg\text{—}\hat{a}'\tilde{a}\ll\hat{a}\text{œ} \tilde{a}\neg\hat{a}^{1/2}$   $\tilde{a}\ll\text{œ}\tilde{a}\ll\hat{a}\text{œ}\hat{a}^{1/4} \tilde{a}\neg,\hat{a}\neg\tilde{a}\neg\hat{S}\hat{a}\text{œ}\tilde{a}\cdot\sim\tilde{a}\hat{a},\hat{a}^\circ \tilde{a}\neg\text{œ},\tilde{a}\cdot\hat{a}^{\sim}$

1.2.16.  $\tilde{a}\ll\hat{a}^1\text{™} \tilde{a}\ll\hat{a}^2\hat{a}\neg\text{—}\hat{a}\tilde{a}\hat{a},\hat{a}^\circ (\tilde{a}\ll\hat{a}\hat{S}\hat{a}\neg\hat{a}'\tilde{a}\hat{a}\neg\tilde{a}\ll\hat{a};\text{œ}\tilde{a}\neg\text{†}\text{œ}\tilde{a},,\tilde{a}\hat{S}\hat{a},)$

Bing Translator

1.2.17. DOPPLR

<http://www.dopplr.com>:  $\tilde{a}\neg\hat{a}' \tilde{a}\text{œ}\tilde{a}\ll\hat{Y}\hat{a}\neg\tilde{a}\hat{a}\cdot\hat{a}, \tilde{a}\neg\hat{a},\tilde{a}\neg,, \tilde{a}\neg,\hat{a}\neg\tilde{a}\neg\hat{S}\hat{a}\text{œ}\tilde{a}\cdot\sim\tilde{a}\neg\text{—}\hat{a}\neg \tilde{a}\neg\hat{a}^1\text{œ}\tilde{a}\hat{a}\mu\hat{a}\neg\tilde{a}\ll\text{œ}\hat{a}\text{œ}\tilde{a}\sim \tilde{a}\neg\text{—}\hat{a}\neg\tilde{a}\neg\text{‰}\tilde{a}\neg,, \tilde{a}\neg\hat{S}\hat{a},\tilde{a}\ll\hat{Z}\sim\tilde{a},\hat{a}^1\tilde{a}\cdot\sim\tilde{a}\hat{a}^3\hat{a} \tilde{a}\neg\hat{Z}\tilde{a}\neg\hat{a} \tilde{a}\neg\sim \tilde{a}\hat{a}^2\hat{f}\tilde{a}\neg,, \tilde{a}'\text{œ}\tilde{a}\neg\ll\text{œ}\tilde{a}\cdot\sim\tilde{a}\neg\hat{a}\neg\ll\text{œ}\tilde{a}\neg\hat{a}\text{œ}$

<http://mods.tiki.org/>

1.2.18.  $\tilde{a}\neg\cdot\hat{a}^{1/4}\tilde{a}\rangle,,! \tilde{a}\hat{a}\cdot\hat{a}, \tilde{a}\ll\hat{a}\text{œ}\hat{a}^1 \tilde{a}\ll\hat{a}\text{œ}$   $\tilde{a}\neg\hat{a}^{1/4}\tilde{a}\ll\hat{a}\hat{S} \tilde{a}\ll\hat{a}\hat{a}\neg\tilde{a}\neg\hat{S}\hat{a}\text{œ}\tilde{a}\hat{S}\hat{a},$

$\tilde{a}\hat{a}^2\text{œ}\tilde{a}\neg\ll\text{œ}\tilde{a}\text{œ}\tilde{a}\hat{a}^3\hat{a}^{1/4} \tilde{a}\ll\hat{a}\text{œ}$   $\tilde{a}\neg\hat{a}^{1/4}\tilde{a}\ll\hat{a}\hat{S} \tilde{a}\ll\hat{a}\hat{a}\neg\tilde{a}\neg\hat{S}\hat{a}\text{œ}\tilde{a}\hat{S}\hat{a}, \tilde{a}\ll\text{™} \tilde{a}\hat{a},\hat{a}^\circ\tilde{a}\text{™}$

1.2.19.  $\tilde{a}\neg\rightarrow\hat{a}^1 \tilde{a}\neg,,\text{œ}\tilde{a}\ll\hat{a}^1,,\tilde{a}\neg\hat{S}\hat{a}\text{œ}$

- Web Services

### 1.2.19.1. WEB SEQUENCE DIAGRAMS

- WebSequenceDiagrams.com

### 1.2.19.2. FEDEX & UPS

<http://sourceforge.net/p/tikiwiki/code/HEAD/tree/trunk/lib/shipping/>

### 1.2.20. ZOTERO

- Zotero

### 1.2.21. GRAVATAR

<https://en.gravatar.com/>

## 1.3. WebSequenceDiagrams.com

WebSequenceDiagrams.com is a web-based tool for creating UML sequence diagrams. It supports a wide range of diagram elements and is easy to use. The tool is available at <http://www.websequencediagrams.com/>.

### 1.3.1. WebSequenceDiagrams.com

## 1.3.2. [WordPress](#)



WordPress is a free and open-source web publishing software, designed specifically for blogging, but which has many other uses. It is the most popular content management system (CMS) in use today. WordPress is written in PHP and MySQL, and is compatible with a wide range of web servers. It is easy to install and use, and has a large community of users and developers. WordPress is also highly customizable, with a wide range of themes and plugins available. It is a great choice for anyone who wants to create a website or blog.

## 1.3.3. [DOMPDF](#)

- [domPDF](#)

## 1.3.4. [WKHTMLTOPDF](#)

- [wkhtmltopdf](#)

## 1.3.5. [PIWIK WEB ANALYTICS](#)

- [Piwik](#)

## 1.3.6. [MEMCACHED](#)

- [Memcached](#)

## 1.3.7. [APC](#)

- [APC](#)

# 1.3.8. XCACHE

- XCache

## 1.3.9. MAILMAN ("THE" GNU Ā«Ā©" Ā→Ā¼Ā«Ā§ Ā«Ā!Ā→Ā→ŠĀǻĀŠĀ, ĀªĀ'€Ā«Ā!Ā→Ā→Ž)

ĀªĀ²Ā→Ā→œĀĀĀªĀ³Ā¼ Ā«Ā©" Ā→Ā¼Ā«Ā§ Ā«Ā!Ā→Ā→ŠĀǻĀŠĀ, Ā«™ ĀªĀ, Ā°Ā™"

## 1.3.10. JABBER

PluginJabber

## 1.3.11. PHPLOT

Mod phplot

## 1.3.12. GRAPHVIZ

Wikipugin using Graphviz

## 1.3.13. R (Ā†ĀMĀªĀ³,,Ā→™€ Ā«Ā°Ā→Ā'Ā,,Ā° Ā→Ā→œĀªĀ°Ā™")



R Ā→€ Ā†ĀμĀªĀ³,,Ā→Ā Ā→→Ā°Ā→,Ā°ĀªĀ³Ā¼ ĀªĀ·Ā, Ā«ž Ā"Ā½Ā→ Ā«€Ā·œ Ā→žĀ→œĀ Ā→†ĀĀ", ĀŠĀ, Ā→Ā→Ā→Ā' Ā-™ ĀªĀ²Ā½Ā→ž...Ā«Ā°Ā«Āǻ. Ā→Ā' Ā«Š" Ā«ĀǻĀ→-Ā°œ Ā→œĀ Ā«Ā°Ā→ŠĀǻ Ā"Ā«ĀžĀ«Ā¼, Ā→œĀĀª,,Ā→ŠĀ°Ā→Ā!^, Ā«Ā° Ā«Ā§ĀŸOSĀ→→Ā→,,œ Ā→Ā»Ā'ĀĀĀ→Ā¼Ā« ĀªĀ³Ā Ā→ĀǻĀ→%œĀ«Ā©Ā«Ā°Ā«Āǻ. Ā→Ā¶" ĀªĀ°€ Ā→Ā ·Ā«Ā³Ā'Ā«Š" Ā«ĀǻĀ→ĀĀ→,, Ā→Ā°Ā, Ā→Ā;Ā°Ā· Ā→ĀĀ→œĀ→~Āǻ: <http://www.r-project.org>. R Ā→€ PluginR Ā→Ā' Ā→ž'Ā«™Ā· ĀªĀ Ā«Ā«ĀĀ' Ā→,,œĀ«Ā²,, Ā«Ā'Ā«Ā¶€Ā→→Ā→,,œ Ā«Ā³,,Ā«,,Ā«Ā;œ Ā→,,ĀǻĀ→Ā¹Ā«Ā Ā·,,Ā→š"ĀªĀ°€ Ā→žĀ→ŠĀμĀ«Ā°Ā«Āǻ.

### 1.3.14. MATHJAX

MathJax

### 1.3.15. MINDMAP

Mindmap

### 1.3.16. PHPFREECHAT

Mod phpfreechat

### 1.3.17. $\tilde{A} \rightarrow \hat{A} \in \tilde{A} \ll ,, \tilde{A} \rightarrow ,, \mathbb{C} \tilde{A} \ll \hat{A}^2 ,,$

$\tilde{A} \rightarrow \hat{A} \in \tilde{A} \ll ,, \tilde{A}^{\hat{A}} \hat{A}^{\circ} \tilde{A} \ll \check{S} \hat{A} \forall$

$\text{mod } \tilde{A} \ll \hat{A} \forall \hat{A}^{1/4} \tilde{A} \dagger \hat{A} \mu \tilde{A} \cdot \in \text{Kamap } \tilde{A} \rightarrow \hat{A} \tilde{A} ,, \hat{A}^{\circ} \tilde{A} \check{Z} \sim \tilde{A} \rightarrow \hat{A} \tilde{A} \rightarrow \check{S} \hat{A} \alpha$

$\tilde{A}^{\hat{A}^{\circ}} \tilde{A} \ll \hat{A} \hat{\tilde{A}} \rightarrow \hat{A} \tilde{A} \rightarrow \hat{A} \tilde{A} \rightarrow \sim \tilde{A} \ll \hat{A} \text{©} " \tilde{A} \in \tilde{A} \ll \hat{A}^{\circ} \tilde{A} \rightarrow \hat{A} \tilde{A} ,, \hat{A}^{\circ} \tilde{A} \ll \hat{A} \forall \hat{A}^{1/4} \tilde{A} \ll \hat{A} \tilde{A} \rightarrow \hat{A} \tilde{A} \check{Z} \hat{\tilde{A}} \tilde{A}^{\hat{A}} \hat{A}^{\circ} \tilde{A} \ll \hat{A} ; \tilde{A} \cdot \sim \tilde{A}^{\hat{A}} \hat{A}^{\circ} \tilde{A} \rightarrow \in ,, \tilde{A} \cdot \sim \tilde{A} \rightarrow \hat{A} \tilde{A} \rightarrow \in ,, \tilde{A} \hat{A} \alpha$   
 $\tilde{A} \check{Z} \sim \tilde{A} \rightarrow \hat{A} \tilde{A} \rightarrow \hat{A} \in \tilde{A} \ll \hat{A} ; \in \tilde{A} \ll \hat{A} \tilde{A} \rightarrow \hat{A}^{\hat{A}^{\circ}} \in \tilde{A} \ll \in \tilde{A} \rightarrow \hat{A} \in \tilde{A} \ll ,, \tilde{A} \ll \hat{A} \forall \hat{A}^{1/4} \tilde{A} \ll \hat{A}^{\circ} \tilde{A} \hat{A} \alpha \tilde{A} \ll \hat{A} \tilde{A} \ll \hat{A} \in \tilde{A} \rightarrow \hat{A} \rightarrow \in ,, \in \tilde{A} \rightarrow \hat{A} \in \tilde{A} \rightarrow \check{Z} \tilde{A} \cdot \sim \tilde{A} \rightarrow \hat{A} \tilde{A} \rightarrow \ll \in \tilde{A} \rightarrow \sim \hat{A} \alpha$

### 1.3.18. $\tilde{A} \rightarrow \dagger \mathbb{C} \tilde{A} \rightarrow \check{S} \hat{A} \alpha \tilde{A}^{\hat{A}} \hat{A} \in \tilde{A} \ll \hat{A} ; \hat{A} \rightarrow$ (SVN)

$\tilde{A} \ll \hat{A}^{\circ} \tilde{A} \hat{A} \alpha \tilde{A} \ll \hat{A} \mathbb{C} \tilde{A} \ll \hat{A} ; \hat{A} \rightarrow \tilde{A} \rightarrow \hat{A} \in \tilde{A} \ll \hat{A} ; \in \tilde{A} \rightarrow \sim \tilde{A} \ll \hat{A}^2 ,, \tilde{A} \rightarrow \hat{A} ,, \tilde{A}^{\hat{A}} \hat{A} \in \tilde{A} \ll \hat{A} ; \hat{A} \rightarrow \tilde{A} \ll \hat{A}^{\circ} \tilde{A} \hat{A} \alpha 6 \tilde{A} \rightarrow \hat{A} \tilde{A} \rightarrow \hat{A}^{1/2} " \tilde{A} \ll " \in \tilde{A} \ll \hat{A} ; \hat{A} \rightarrow \tilde{A} \ll \hat{A} \cdot \hat{A}^{\circ} \tilde{A} \ll \hat{A} \forall \hat{A}^{1/4}$   
 $\tilde{A} \rightarrow \in ,, \tilde{A} \cdot \sim \tilde{A} \rightarrow \hat{A} \tilde{A} \rightarrow \hat{A} \in \tilde{A} \ll \hat{A} \tilde{A} \rightarrow \hat{A} \in \tilde{A} \rightarrow \hat{A} \tilde{A} \rightarrow \hat{A} \tilde{A} \mu \tilde{A} \ll \hat{A} \tilde{A} \ll \hat{A} \alpha$

### 1.3.19. OPENSTREETMAP, OPENLAYERS $\tilde{A} \ll \hat{A}^{\circ}$ GOOGLE STREET VIEW

OpenStreetMap  $\tilde{A} \rightarrow \text{™} \in$  OpenLayers

### 1.3.20. EXTERNAL AUTHENTICATION



LDAP™ & PEAR-AUTH & VPOPMAIL

### 1.3.20.2. CAS

CAS Authentication

### 1.3.20.3. PAM

PAM authentication

### 1.3.20.4. SHIBBOLETH

Shibboleth Authentication

## 1.3.21. CCLITE



CCLite & Barter & Community Currencies

Community Currencies

## 1.4. & Community Currencies

### 1.4.1. RSS

RSS & Community Currencies



### 1.5.3. $\tilde{A}'' \llcorner \tilde{A} \llcorner \tilde{Z} \sim \tilde{A} \neg \llcorner \llcorner$

PluginFlash

### 1.5.4. $\tilde{A} \neg \tilde{Z} \tilde{A} \llcorner \hat{A}^\circ \tilde{A} \neg \tilde{S} \hat{A} \times \tilde{A} \hat{A} \neg \tilde{A} \llcorner \hat{A} \hat{A} \frac{1}{2} \tilde{A} \tilde{S} \hat{A} \neg$

PluginJS

### 1.5.5. $\tilde{A} \neg \llcorner \hat{A} \tilde{A} \llcorner \neg \tilde{S} \hat{A}^\circ \tilde{A} \llcorner \hat{A}^- \hat{A} \tilde{A} \llcorner \neg \tilde{A} \neg \hat{A}' \tilde{A} \neg \tilde{Z} \hat{A} \neg \tilde{A} \neg \neg \hat{A} \hat{A}^\circ \tilde{A} \llcorner \text{TM} \tilde{A} \neg \sim \tilde{A} \neg \neg \text{F} (.WMV)$

PluginWMV

### 1.5.6. $\tilde{A} \llcorner \hat{A}^\circ \hat{A}^\circ \tilde{A} \neg \llcorner \hat{A} \tilde{A} \neg \hat{A} \tilde{A} \neg \tilde{S} \hat{A} \odot \tilde{A} \hat{A}^\circ \in \tilde{A} \llcorner \tilde{S} \hat{A} \nabla \tilde{A} \cdot \llcorner \tilde{A} \llcorner \hat{A}^2 \hat{A} \hat{A} \tilde{A} \neg \hat{A}^\circ \tilde{A} \hat{A} \cdot \hat{A} \tilde{A} \llcorner \tilde{Z} \sim \tilde{A} \hat{A} \frac{1}{2} (SVG) (.SVG)$

SVG-edit (Tiki7)

## 1.6. $\tilde{A} \llcorner \hat{A} \neg \tilde{A} \llcorner \hat{A} \frac{1}{2} \tilde{A} \llcorner \hat{A} \neg$

**Visualization**  $\tilde{A} \neg \neg \tilde{A} \llcorner \hat{A}^3 \hat{A}' \tilde{A} \neg \llcorner \llcorner \tilde{A} \llcorner \hat{A} \odot \hat{A}' \tilde{A} \neg \hat{A} \neg \tilde{A} \hat{A} \neg \tilde{A} \hat{A}^\circ \in \tilde{A} \llcorner \hat{A}' \tilde{A} \neg \tilde{S} \hat{A} \odot \tilde{A} \neg \hat{A}' \tilde{A} \neg \hat{A} \tilde{A} \neg \tilde{S} \hat{A} \mu \tilde{A} \llcorner \llcorner \hat{A} \llcorner \hat{A} \times \tilde{A} \llcorner \hat{A} \neg \tilde{A} \llcorner \hat{A} \frac{1}{2} \tilde{A} \llcorner \llcorner \llcorner \tilde{A} \neg \neg \hat{A} \tilde{A} \neg \tilde{Z}' \tilde{A} \neg \tilde{S} \hat{A} \odot \tilde{A} \neg \neg \tilde{A} \llcorner \hat{A} \neg \llcorner \tilde{A} \hat{A} \cdot \hat{A} \tilde{A} \llcorner \tilde{Z} \hat{A} \neg \tilde{A} \llcorner \hat{A} \times \tilde{A} \neg \in \tilde{A} \llcorner \hat{A} \times \tilde{A} \neg \llcorner \tilde{A} \neg \neg \tilde{A} \neg \hat{A} \neg \tilde{A} \hat{A} \frac{1}{4} \tilde{A} \cdot \hat{A} \odot \tilde{A} \llcorner \llcorner \hat{A} \llcorner \hat{A} \times$ : [interaction](#)